

BS-2000 Series Biological Microscope

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BS-2000 Series Biological Microscope

1. BS-2000A, B, C Biological Microscope



Introduction

With sharp image, competitive and reasonable unit price, BS-2000A, B, C series microscopes are ideal instruments for student use. These microscopes are mainly used in elementary schools.

Specification

Item	Specification	BS-2000A	BS-2000B	BS-2000C
Eyepiece	Huygens Eyepiece H5 \times , H10 \times	●	●	●
	Huygens Eyepiece H12.5 \times	●		
	Huygens Eyepiece H16 \times		●	●
Objective	Achromatic Objective 10 \times , 40 \times	●	●	●
	Achromatic Objective 4 \times , 60 \times	○	○	○
	Achromatic Objective 100 \times	○	○	●
Nosepiece	Triple Nosepiece	●	●	●
Stage	Plain Stage with Slide Clips 110 \times 120mm	●	●	
	Attachable Mechanical Stage 110 \times 120mm/ 60 \times 30mm	○	○	●
Condenser	Single Lens with Disc Diaphragm	●		
	Single Lens with Iris Diaphragm		●	
	Abbe Condenser with Iris Diaphragm and Filter			●
Illumination system	Plan-concave Mirror	●	●	●
	Attachable Illuminator	○	○	○
Filter	Blue Filter			●
	Green Filter			●

Note: ● Standard Outfit, ○ Optional

2. BS-2005 Biological Microscope



BS-2005M



BS-2005B

Introduction

BS-2005 series biological microscopes are economical microscopes with basic features for educational applications in elementary and middle school. With the high quality material and optics, the microscopes can ensure you get high definition images. They are perfect for individual or classroom application. An incident illumination is available for non-transparent specimens.

Features

1. Monocular head, 360° Rotatable, users can view from any angles.
2. Maximum magnification can be up to 2500× with optional eyepiece and objectives.
3. Battery compartment comes with the microscope, 3pcs AA battery can be used as the power supply, easy for out door work.



Applications

BS-2005 series biological microscopes can be used for educational applications in elementary and middle schools. They also can be used as hobby for biological applications and small items identification.

Specification

Item	Specification	BS-2005M	BS-2005B
Viewing Head	Monocular viewing head, Inclined at 45°, 360° Rotatable	●	
	Binocular viewing head, Inclined at 45°, 360° Rotatable, Interpupillary distance 54-77mm		●
Eyepiece	WF10×/16mm	●	●
	WF16×/11mm	○	○
	WF20×/9.5mm	○	○
	WF25×/6.5mm	●	●
Nosepiece	Triple Nosepiece	●	●
Objective	Achromatic Objective 4×(185)	●	●
	Achromatic Objective 10×(185)	●	●
	Achromatic Objective 40×(185)	●	●
	Achromatic Objective 60×(185) (The performance is not good, not recommend)	○	○
	Achromatic Objective 100×(185) (The performance is not good, not recommend)	○	○
Stage	Plain Stage with Slide Clips 95×95mm	●	●
	Plain Stage with Mechanical ruler 95×95mm/60×30mm	○	○
Focusing	Coaxial Coarse and Fine Adjustment	●	●
Condenser	Single Lens NA 0.65 with Disc Diaphragm	●	●
Illumination	0.1W LED Illumination, Brightness Adjustable	●	●
Spare Parts	Dust Cover	●	●
Power Supply	AC100-220V power adapter, microscope input voltage DC5V	●	●
	Battery compartment (can use 3pcs AA batteries as the power supply)	●	●
Package	Styrofoam & Carton, Dimension 28×19×40 cm, 3kg	●	●

Note: ● Standard Outfit, ○ Optional

Sample Images



3. BS-2010 Biological Microscope



BS-2010D



BS-2010E

Introduction

BS-2010 series biological microscopes are more comfortable and reliable operation with modern design. These microscopes are economical microscope with all basic features for educational use in elementary and middle school.

Features

1. More comfortable and reliable operation with modern design.
2. Affordable price with reliable performance, long working life.
3. Smart and occupy small space.

Applications

These microscopes are economical microscope with all basic features for educational use in elementary and middle schools.

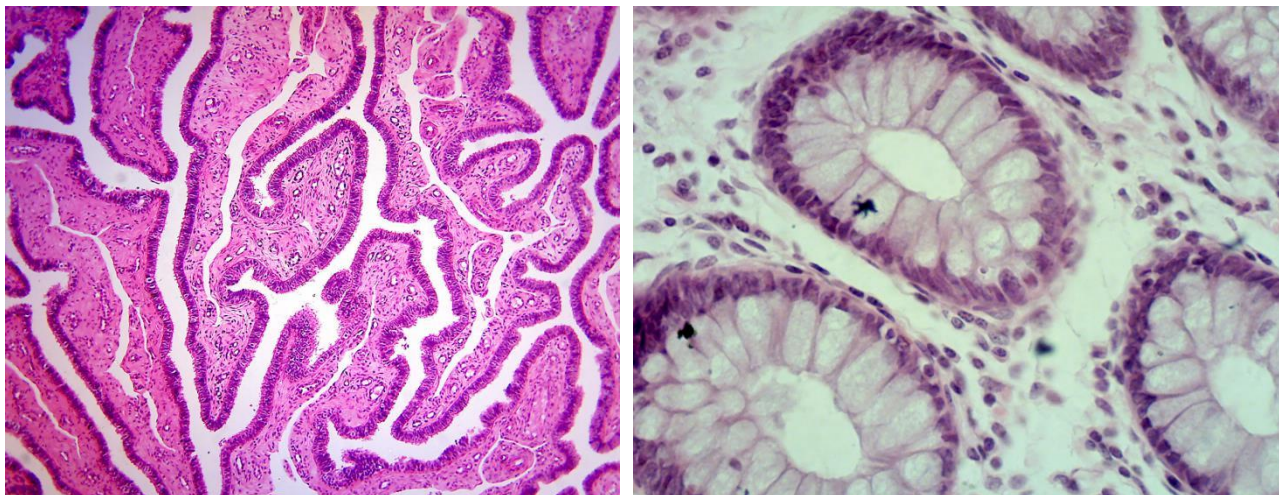
Specifications

Item	Specification	BS-2010B	BS-2010C	BS-2010D	BS-2010E
Viewing Head	Monocular, Inclined at 45°, 360° Rotatable	●	●	●	
	Sliding Binocular Head, Inclined at 45°, 360° Rotatable, 55-75mm				●
Eyepiece	WF10×/18mm	●	●	●	●
	WF5×/20mm, WF16×/11mm, WF25×/8mm	○	○	○	○
	WF10×/18mm with Pointer	○	○	○	○
Nosepiece	Triple Nosepiece	●	●	●	

	Quadruple Nosepiece				●
Objective	Achromatic Objective 4×, 10×, 40×(S)	●	●	●	●
	Achromatic Objective 20×, 60×	○	○	○	○
	Achromatic Objective 100×	○	○	○	●
Stage	Plain Stage with Slide Clips 110×120mm	●			
	Plain Stage with Attachable Mechanical ruler 110×120mm/ 60×30mm		●		
	Double Layers Mechanical Stage 110×120mm/ 70×20mm			●	●
Focusing	Coaxial Coarse and Fine Adjustment, Moving Range 10mm	●	●	●	●
Condenser	Single Lens NA 0.65 with Iris Diaphragm	●			
	Abbe NA 1.2 with Iris Diaphragm & Blue Filter, Spiral Adjustment for Condenser		●		
	Abbe NA 1.2 with Iris Diaphragm & Blue Filter, Rack and Pinion Adjustment for Condenser			●	●
Illumination	1W LED Illumination, Brightness Adjustable	●	●	●	●
	Mirror	○	○	○	○
Spare Parts	Dust Cover	●	●	●	●
Package	Styrofoam & Carton, Dimension 28×20×40 cm, 4kg	●	●	●	●
	Wooden Case & Carton, Aluminum Case & Carton	○	○	○	○
Power Supply	AC100-220V power adapter, microscope input voltage 5V	●	●	●	●

Note: ● Standard Outfit, ○ Optional

Sample Images



4. BS-2010MD/BD Digital Microscope



BS-2010MD



BS-2010BD

Introduction

BS-2010MD/BD digital microscope feature a built-in 1.3MP Digital Camera and professional software offering high resolution and user friendly operation. This combination of microscope, digital imaging system and software is easy to operate and offers outstanding performance. It can preview, take photos, videos and do measurement. LED illumination saves energy and has long working life.

Feature

1. Built-in 1.3 Mega Pixel CMOS camera, vivid images and real color reproduction.
2. High definition images and videos, high frame rate.
3. Professional image analyze software supports Windows Vista / Win 7/8/10 32bit & 64 bit Operation System.
4. Support Multi-language (Arabic, Chinese, English, French, German, Japanese, Polish and etc.).
5. Compact and flexible, ideally suited for desktop, laboratory worktable.

Application

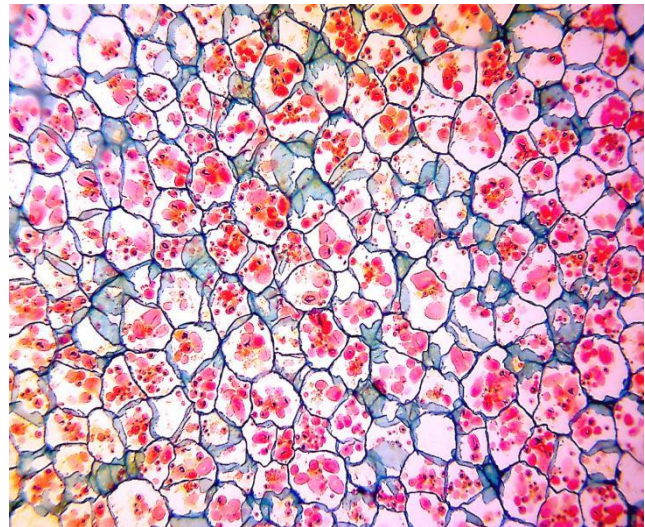
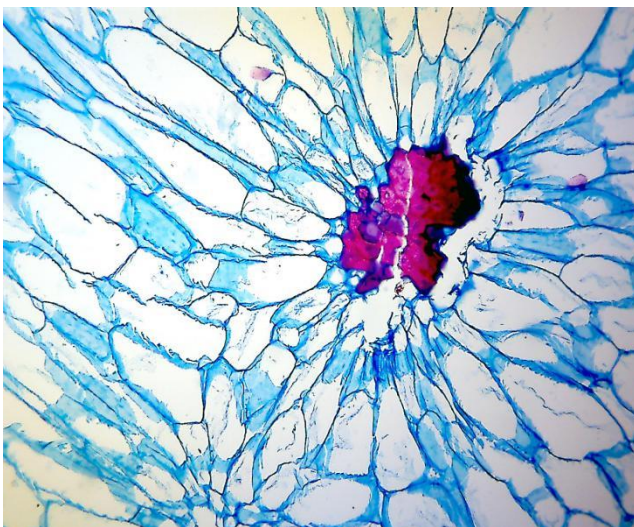
BS-2010MD/BD digital microscopes are primarily designed for school students to do image analysis and distant sharing. The microscopes also provide a superior cost effective solution for computer interactive laboratory, clinical environments and individuals as hobby etc.

Specification

Item	Specification	BS-2010MD	BS-2010BD
Viewing Head	Monocular head, Inclined at 45°, 360° Rotatable	●	
	Binocular head, Inclined at 45°, 360° Rotatable, 55-75mm		●
Camera System	Resolution: 1280×1024(1.3MP)	●	●
	Output: USB2.0	●	●
	Operation System: Windows 2000/XP/VISTA/Win 7/8/10	●	●
	Software: ScopelImage 9.0	●	●
Eyepiece	Wide Field Eyepiece: WF10×/18mm	●	●
	WF5×/20mm, WF16×/11mm, WF25×/8mm	○	○
Objective	Achromatic Objective: 4×, 10×, 40×(S), 100×(S, Oil)	●	●
	Achromatic Objective: 20×, 60×	○	○
Stage	Double Layers Mechanical Stage: 110×120mm, Moving Range X-Y: 70×20mm	●	●
Condenser	Abbe NA 1.25 Condenser with Iris Diaphragm (Φ2-Φ28mm)	●	●
Focusing	Coaxial Coarse and Fine Adjustment, Moving Range 10mm	●	●
Illumination	1W LED illumination, brightness adjustable	●	●
Accessories	Operation manual, dust cover, AC adapter and USB cable	●	●
Package	1pc/carton, 28cm×22cm×40cm, 5kg	●	●

Note: ● Standard Outfit, ○ Optional

Sample Image



5. BS-2020 Biological microscope



BS-2020M



BS-2020B



BS-2020T

Introduction

BS-2020 series microscopes are economic, practical and easy to operate. These microscopes adopt LED illumination, which saves energy, has long working life and also comfortable for observation. These microscopes are widely used in educational, academic, agricultural and study field. With a microscope adapter, a digital camera (or digital eyepiece) can be plug into the trinocular tube or the eyepiece tube. Built-in rechargeable battery is optional for outdoors operation or places that power supply is not stable.

Feature

1. Comfortable operation with updated and ergonomic design;
2. LED light illumination, save energy and long working life;
3. Compact and flexible, ideally suited for desktop, laboratory worktable.

Application

BS-2020 series microscopes are ideally suited for school biological education and medical analyses area to observe all kinds of slides. They can be widely used in clinics, hospitals, schools, academic labs and scientific research department.

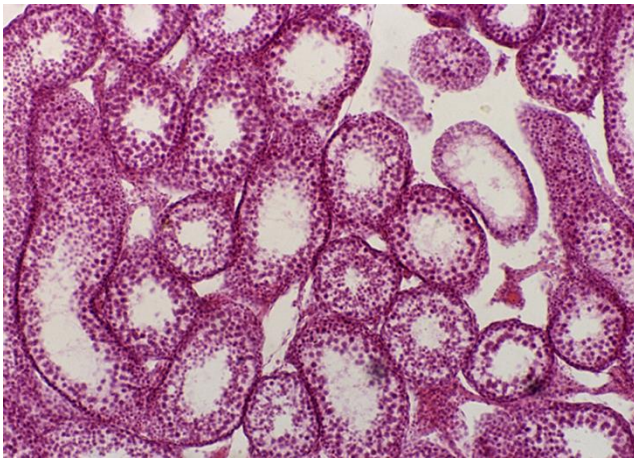
Specification

Item	Specification	BS-2020M	BS-2020B	BS-2020T
Viewing Head	Monocular Head, Inclined at 30°, 360° Rotatable	•		
	Seidentopf Binocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm		•	
	Seidentopf Trinocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 55-75mm			•
Eyepiece	WF10×/18mm	•	•	•
	WF16×/11mm	○	○	○

	WF25×/8mm	○	○	○
Objective	Achromatic Objective 4×, 10×, 40×, 100×(Oil)	●	●	●
	Achromatic Objective 20×, 60×	○	○	○
Nosepiece	Backward Quadruple Nosepiece	●	●	●
Stage	Double Layer Mechanical Stage 132×142mm/ 75×40mm	●	●	●
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.004mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.4mm per Rotation, Moving Range 24mm	●	●	●
Condenser	Abbe NA 1.20 with Iris Diaphragm and Filter	●	●	●
Illumination	1W S-LED illumination, Brightness Adjustable	●	●	●
	Halogen Lamp 6V/ 20W, Brightness Adjustable	○	○	○
Immersion oil	5ml Immersion oil	●	●	●
Optional Accessories	Phase Contrast Kit	○	○	○
	Dark Field Attachment	○	○	○
	Polarization Attachment	○	○	○
	Rechargeable battery	○	○	○
Package	1pc/carton, 39.5cm*26.5cm*50cm, 7kg	●	●	●

Note: ● Standard Outfit, ○ Optional

Sample Images



6. BS-2020MD/BD Digital Microscope



BS-2020MD



BS-2020BD

Introduction

With 1.3MP colorful digital camera, competitive price and easy to operate features, the BS-2020MD/BD monocular/binocular digital microscopes are widely used in educational, academic, agricultural and study field. They are connected to a computer via a USB cable. The software is powerful and easy to operate, it can preview, take photos, videos and do measurement.

Feature

1. Built-in 1.3 Mega Pixel CMOS camera, vivid images and real color reproduction.
2. High definition images and videos, high frame rate.
3. Professional image analyze software supports Windows Vista / Win 7/8/10 32&64bit Operation System.
4. Support Multi-language (Arabic, Chinese, English, French, German, Japanese, Polish and etc.).
5. Compact and flexible, ideally suited for desktop, laboratory worktable.

Application

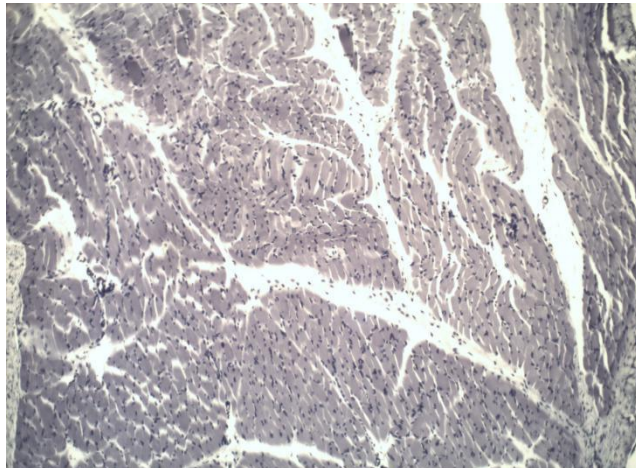
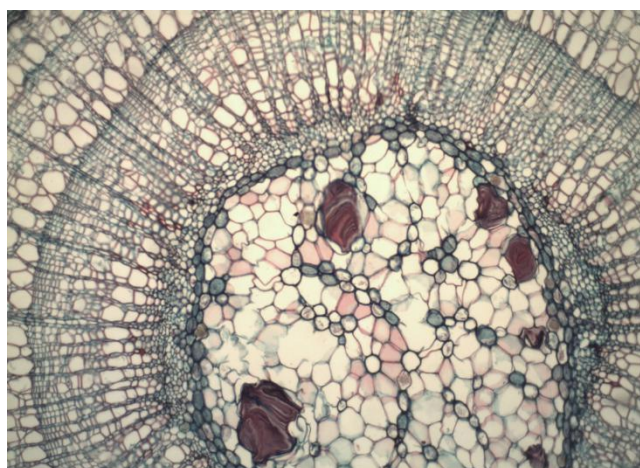
These microscopes are ideally suited for school biological education and medical analyses area. They can be widely used in clinics, hospitals, schools, academic labs and scientific research department.

Specification

Item	Specification	BS-2020MD	BS-2020BD	
Viewing Head	Monocular Head with digital camera, Inclined at 30°, 360° Rotatable	●		
	Seidentopf Binocular Head with digital camera, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm		●	
	Camera System	Resolution	1280×1024 (1.3Mega Pixel)	●
		Output Mode	USB2.0	●
		Operation System	Window 2000/ XP/ Vista/ Win 7	●
		Software	ScopelImage 9.0	●
	Range of Viewing Field	90%	●	
Eyepiece	WF10×/18mm	●	●	
	WF16×/11mm, WF25×/8mm	○	○	
Nosepiece	Backward Quadruple Nosepiece	●	●	
Objective	Achromatic Objective 4×, 10×, 40×, 100×	●	●	
	Achromatic Objective 20×, 60×	○	○	
Stage	Double Layers Mechanical Stage 132×142mm/ 75×40mm	●	●	
Condenser	Abbe NA1.20 with Iris Diaphragm & Fliter	●	●	
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.004mm, Coarse Stroke 32.7mm per Rotation, Fine Stroke 0.4mm per Rotation, Moving Range 24mm	●	●	
Illumination	1W S-LED illumination, Brightness Adjustable	●	●	
	Halogen Lamp 6V/ 20W, Brightness Adjustable	○	○	
Optional accessories	Phase Contrast Kit	○	○	
	Dark-Field Attachment	○	○	
	Polarization Attachment	○	○	
	Rechargeable battery	○	○	
Package	1pcs/carton, 39.5cm*26.5cm*50cm, 8kg	●	●	

Note: ● Standard Outfit, ○ Optional

Sample Image



7. BS-2022 Biological Microscope



BS-2022B



BS-2022T



BS-2022BD

Introduction

BS-2022 series microscopes are economic, practical and easy to operate. These microscopes adopt LED illumination, which save energy and have long working life, it is also very comfortable for observation. These microscopes are widely used in educational, academic, agricultural and study field. With a microscope adapter, a digital camera (or digital eyepiece) can be plug into the trinocular tube or the eyepiece tube. Rechargeable battery is optional for outdoors operation or places that power supply is not stable.

Feature

1. New machining facility and advanced alignment technology;
2. Comfortable operation with updated and ergonomic design;
3. LED light illumination, save energy and long working life;
4. Compact and flexible, ideally suited for desktop, laboratory worktable;
5. Eyepoint height and interpupillary distance can be adjusted to fit for observation.

Application

BS-2022 series microscopes are ideally suited for school biological education and medical analyses area to observe all kinds of slides. They can be widely used in clinics, hospitals, schools, academic labs and scientific research department.

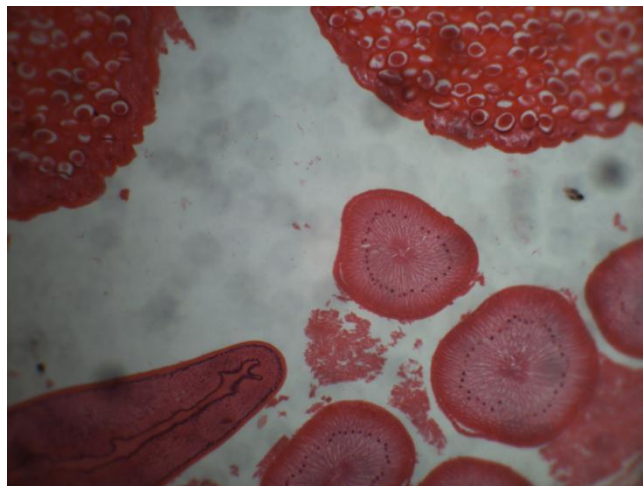
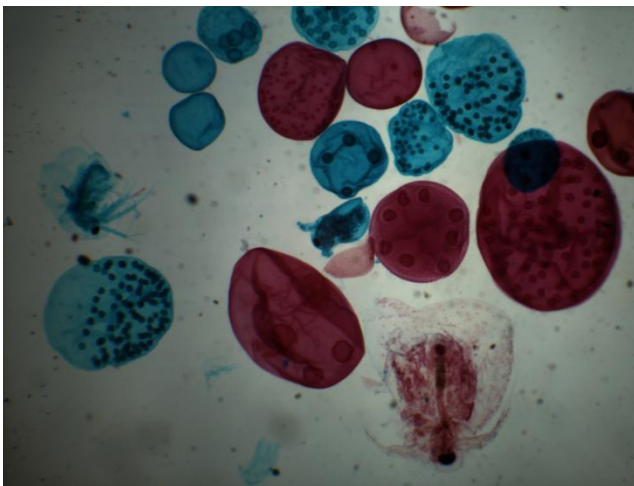
Specification

Item	Specification	BS-2022M	BS-2022B	BS-2022T	BS-2022BD
Viewing Head	Seidentopf Monocular Head, Inclined at 30°, 360° Rotatable	•			
	Seidentopf Binocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm,		•		
	Seidentopf Trinocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm			•	

	Seidentopf Binocular Head with 3.2MP digital camera, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm, the software is ScopelImage 9.0				●
Eyepiece	WF10×/18mm	●	●	●	●
	WF16×/11mm	○	○	○	○
Objective	Achromatic Objective 4×, 10×, 40×, 100×(Oil)	●	●	●	●
	Plan Achromatic Objective 4×, 10×, 40×, 100×(Oil)	○	○	○	○
	Infinite Plan Achromatic Objective 4×, 10×, 20×, 40×, 60×, 100×(Oil)	○	○	○	○
Nosepiece	Backward Quadruple Nosepiece	●	●	●	●
Stage	Double Layer Mechanical Stage 132×142mm/ 75×40mm	●	●	●	●
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 20mm	●	●	●	●
Condenser	Abbe NA 1.25 with Iris Diaphragm and Filter	●	●	●	●
Illumination	1W S-LED illumination, Brightness Adjustable	●	●	●	●
	12V/ 20W Halogen Lamp, Brightness Adjustable	○	○	○	○
	Kohler illumination	○	○	○	○
Optional Accessories	Phase Contrast Kit	○	○	○	○
	Dark Field Attachment	○	○	○	○
	Polarization Attachment	○	○	○	○
	Rechargeable battery	○	○	○	○
	Photo Adapter: used for Nikon or Canon DSLR camera	○	○	○	○
	Video Adapter: 1X or 0.5X C-mount adapter	○	○	○	○
Package	1pc/carton, 32cm*26cm*44cm, 6kg	●	●	●	●

Note: ● Standard Outfit, ○ Optional

Sample Images



8. BS-2023 Biological Microscope



BS-2023B



BS-2023T

Introduction

BS-2023 series microscopes are economic, practical and easy to operate. These microscopes adopt LED illumination, which save energy and have long working life, it is also very comfortable for observation. These microscopes are widely used in educational, academic, agricultural and study field. With a microscope adapter, a digital camera (or digital eyepiece) can be plug into the trinocular tube or the eyepiece tube. Rechargeable battery is optional for outdoors operation or places that power supply is not stable.

Feature

1. Infinite optical system.
2. New machining facility and advanced alignment technology.
3. Comfortable operation with updated and ergonomic design.
4. LED light illumination, save energy and long working life.
5. Compact and flexible, ideally suited for desktop, laboratory worktable.
6. Eyepoint height and interpupillary distance can be adjusted to fit for observation.

Application

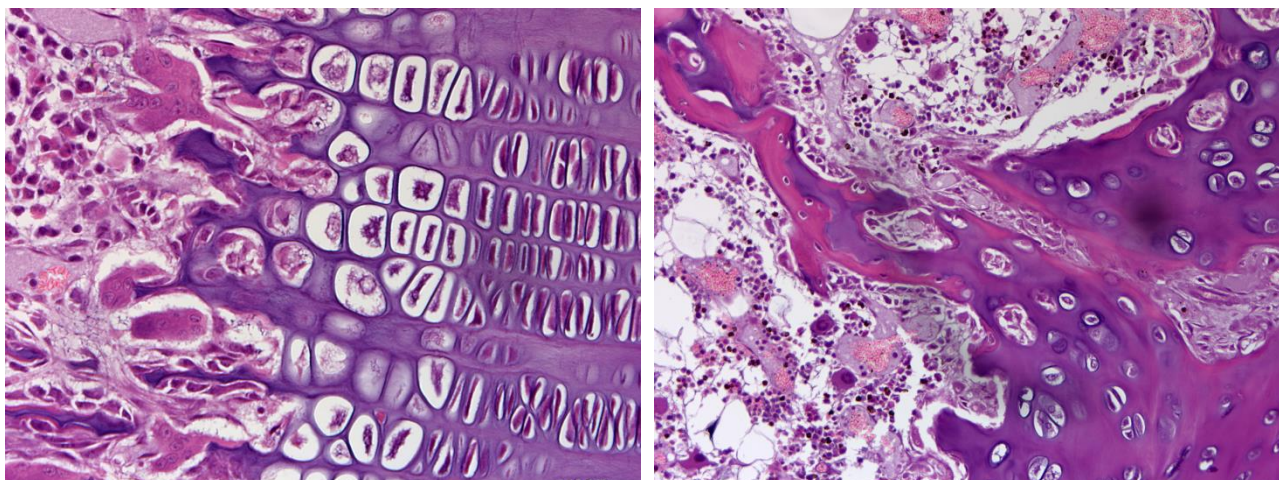
BS-2023 series microscopes are ideally suited for school biological education and medical analyses area to observe all kinds of slides. They can be widely used in clinics, hospitals, schools, academic labs and scientific research department.

Specification

Item	Specification	BS-2023B	BS-2023T
Optical System	Infinite Optical System	●	●
Viewing Head	Seidentopf Binocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm,	●	
	Seidentopf Trinocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm		●
Eyepiece	WF10×/18mm	●	●
Objective	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100×(Oil)	●	●
	Infinite Plan Achromatic Objective 20×, 60×	○	○
Nosepiece	Quadruple Nosepiece	●	●
Stage	Double Layer Mechanical Stage 132×142mm/ 75×40mm	●	●
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 20mm	●	●
Condenser	Abbe NA 1.25 with Iris Diaphragm	●	●
Illumination	1W S-LED illumination, Brightness Adjustable	●	●
	12V/ 20W Halogen Lamp, Brightness Adjustable	○	○
	Kohler illumination	○	○
Optional Accessories	Phase Contrast Kit	○	○
	Dark Field Condenser	○	○
	Polarization Attachment	○	○
	Rechargeable battery	○	○
	Photo adapter for Nikon or Canon DSLR camera	○	○
	Video adapter: 1X or 0.5X C-mount adapter	○	○
Package	1pc/carton, 32cm*26cm*44cm, 6kg	●	●

Note: ● Standard Outfit, ○ Optional

Sample Images



9. BS-2025 Biological Microscope



BS-2025M



BS-2025B



BS-2025T

Introduction

BS-2025 series microscopes are economic, practical and easy to operate. These microscopes adopt LED illumination, which saves energy and have long working life, it is also very comfortable for observation. These microscopes are widely used in educational, academic, agricultural and study field. Rechargeable battery is optional for outdoors operation or places that power supply is not stable.

Feature

1. New machining facility and advanced alignment technology.
2. Comfortable operation with ergonomic design.
3. LED light illumination, save energy and long working life.
4. Compact and flexible, ideally suited for desktop, laboratory worktable.

Application

BS-2025 series microscopes are ideally suited for school biological education and medical analyses area to observe all kinds of slides. They can be widely used in schools, clinics, hospitals, academic labs and scientific research department.

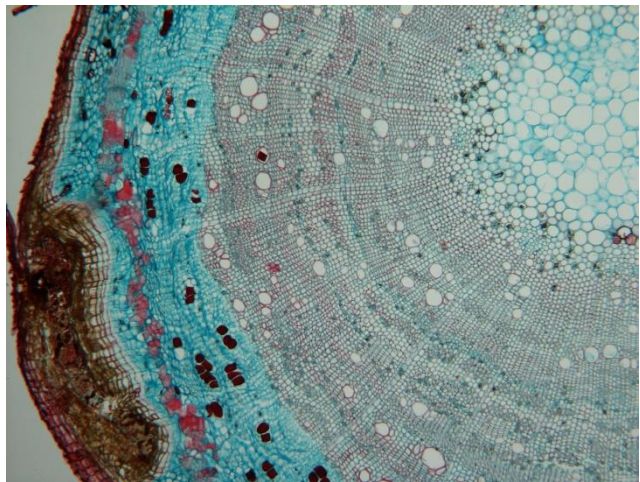
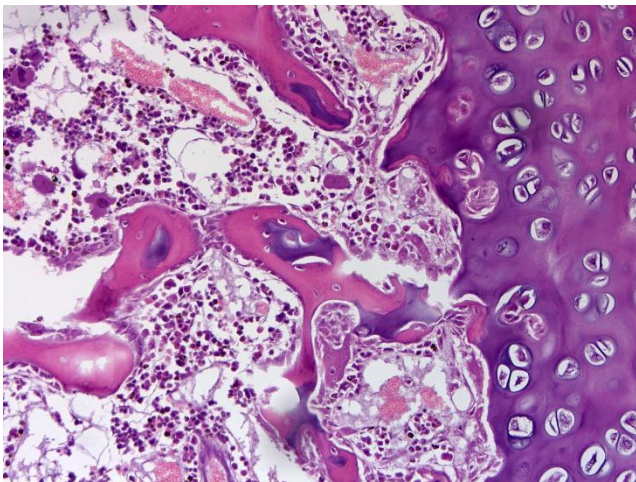
Specification

Item	Specification	BS-2025M	BS-2025B	BS-2025T
Optical System	Finite Optical System	●	●	●
Viewing Head	Seidentopf Monocular Head, Inclined at 30°, 360° Rotatable	●		
	Seidentopf Binocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm,		●	
	Seidentopf Trinocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm, Light Distribution 20:80			●
Eyepiece	WF10×/18mm	●	●	●
	WF16×/13mm	○	○	○
Objective	Achromatic Objective 4×, 10×, 40×(S), 100×(Oil)(S)	●	●	●

	Achromatic Objective 20x, 60x(S)	○	○	○
	Plan Achromatic Objective 4x, 10x, 40x, 100x(Oil)	○	○	○
Nosepiece	Quadruple Nosepiece	●	●	●
Stage	Double Layer Mechanical Stage 125×115mm/ 75×35mm	●	●	●
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Moving Range 22mm	●	●	●
Condenser	Abbe NA 1.25 with Iris Diaphragm	●	●	●
Illumination	3W LED illumination, Brightness Adjustable	●	●	●
	3W LED illumination with rechargeable battery, Brightness Adjustable	○	○	○
	12V/20W Halogen Lamp, Wide Voltage: 100V-240V, Brightness Adjustable	○	○	○
Mirror	Plano-concave mirror	○	○	○
Polarizing Kit	Analyzer and Polarizer	○	○	○
Dark Field Kit	Dry Dark Field ring for 4x-40x objective	○	○	○
C-mount	1× C-mount(not Adjustable)			○
Adapter	0.5× C-mount(Adjustable)			●
Package	1pc/carton, 34cm*25cm*42cm, GW:6.5kgs, NW: 5kgs	●	●	●

Note: ● Standard Outfit, ○ Optional

Sample Images



10. BS-2030 Biological Microscope



BS-2030B



BS-2030T



BS-2030BD

Introduction

With precision machining equipment and advanced alignment technology, BS-2030 series microscopes are classical biological microscopes. These microscopes are widely used in educational, academic, agricultural and study field. With a microscope adapter, a digital camera (or digital eyepiece) can be plug in to the trinocular tube or the eyepiece tube. Rechargeable battery(only for LED illumination) is optional for outdoors operation or places that power supply is not stable.

Feature

1. New machining facility and advanced alignment technology.
2. Comfortable operation with updated and ergonomic design;
3. Compact and flexible, ideally suited for desktop, laboratory worktable;
4. Interpupillary distance can be adjusted to fit for observation;
5. Support Windows Vista / Win 7 / Win8 / Win 10 / Mac Operation System. The software can preview, take photos and video, do image processing and measurement;
6. Support Multi-language (Arabic, Chinese, English, French, German, Japanese, Polish etc.).

Application

This binocular microscope is an ideal instrument in biological, histological, pathological field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

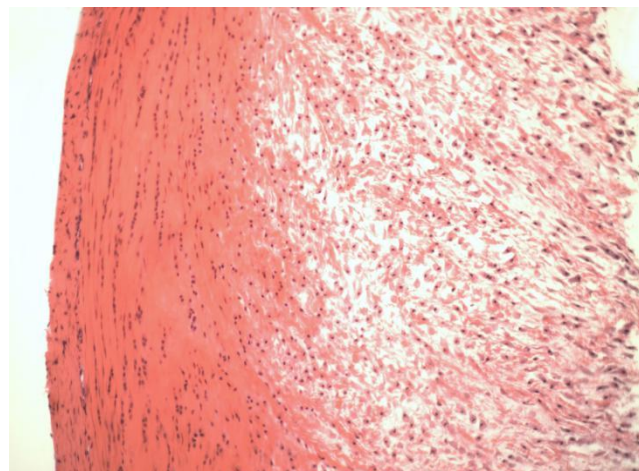
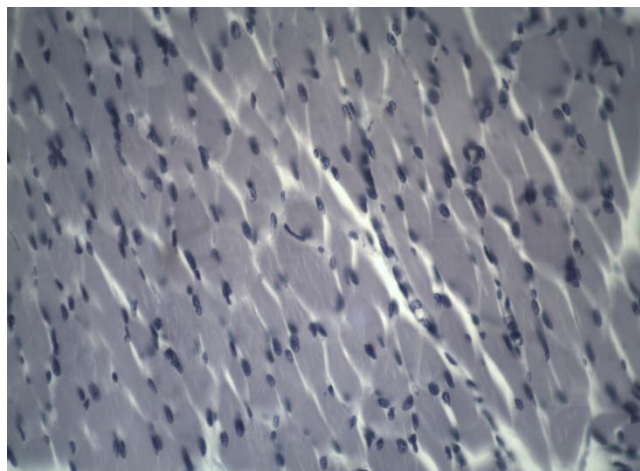
Specification

Item	Specification	BS-2030M	BS-2030B	BS-2030T	BS-2030BD
Viewing Head	Monocular Head Inclined at 45°, 360° Rotatable	•			

	Sliding Binocular Head Inclined at 45°, 360° Rotatable; interpupillary distance 55-75mm.		●		
	Sliding Trinocular Head, inclined at 45° and 360° Rotatable, interpupillary distance 55-75mm			●	
	Seidentopf Binocular Head Inclined at 45°, 360° Rotatable; interpupillary distance 48-75mm.		○		
	Sliding Binocular Head with 1.3MP digital camera, Inclined at 45°, 360° Rotatable; interpupillary distance 55-75mm.				●
	Anti-mould.	○	○	○	○
Eyepiece	Wide Field Eyepiece WF10×/ 18mm	●	●	●	●
	Wide Field Eyepiece WF16×/ 11mm	○	○	○	○
Nosepiece	Quadruple Nosepiece	●	●	●	●
	Quintuple Nosepiece	○	○	○	○
Objective	Achromatic Objective 4×, 10×, 40×, 100×	●	●	●	●
	Achromatic Objective 20×, 60×	○	○	○	○
	Semi-Plan Achromatic Objective 4×, 10×, 20×, 40×, 60×, 100×	○	○	○	○
	Plan Achromatic Objective 4×, 10×, 20×, 40×, 60×, 100×	○	○	○	○
Total magnifications	With 10x eyepiece: 40×, 100×, 400×, 1000×	●	●	●	●
	With 16x eyepiece: 64×, 160×, 640×, 1600×	○	○	○	○
Stage	Double Layer Mechanical Stage 140×140mm/ 75×50mm	●	●	●	●
	Left hand operation Double Layer Mechanical Stage 140×140mm/ 75×50mm	○	○	○	○
Focus	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 28mm	●	●	●	●
Condenser	Abbe NA 1.25 with Iris Diaphragm & Filter	●	●	●	●
Illumination	1W S-LED Illumination, Brightness Adjustable	●	●	●	●
	6V/20W Halogen light, Brightness Adjustable	○	○	○	○
	Plan-concave Mirror	●	●	●	●
Body / Energy	Firm Aluminum Body and built in power supply 110-240V	●	●	●	●
Supplied with	Dust cover, immersion oil and user manual	●	●	●	●
Polarization Set	Simple Polarization Set	○	○	○	○
Phase Contrast Kit	Simple phase contrast kit	○	○	○	○
	Sliding phase contrast kit	○	○	○	○
	Turret phase contrast kit	○	○	○	○
Dark Field Attachment	Dark Field Attachment (Dry) NA0.9	○	○	○	○
	Dark Field Attachment (Oil) NA1.25-1.36	○	○	○	○
Fluorescent Attachment	YX-2B Fluorescent Attachment	○	○	○	○
Battery	Rechargeable battery (only for LED illumination)	○	○	○	○
Package	1pc/carton, 33cm×28cm×44cm, 7kg	●	●	●	●

Note: ●Standard Outfit, ○ Optional

Sample Image



11. BS-2030F Fluorescent Biological Microscope



BS-2030FB



BS-2030FT

Introduction

BS-2030F series fluorescent microscopes are basic level microscopes which are specially designed for college education, medical and laboratory study. They have beautiful structure and ergonomic design. The excellent optical performance will make your works enjoyable.

Feature

1. Excellent fluorescent image with high resolution fluorescent objectives.
2. Protect the light leak with advanced lamp housing.
3. Perfect image with fluorescent objectives.
4. More stable power supply, digital display and timer.

Application

BS-2030F series fluorescent microscopes are ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, clinics, hospitals, laboratories, institutes, academic laboratories, colleges and universities.

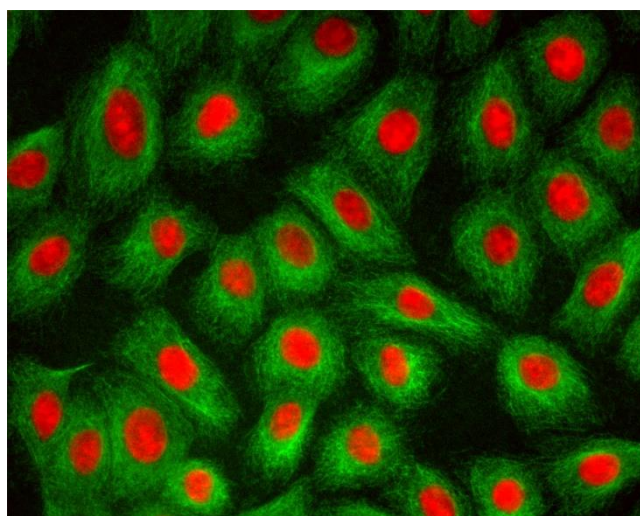
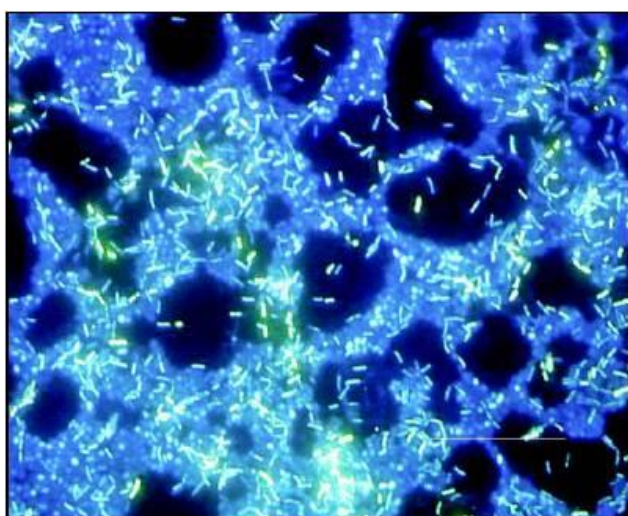
Specification

Item	Specification	BS-2030FB	BS-2030FT
Viewing Head	Sliding Binocular Viewing Head, Inclined at 45°, 360° Rotatable, Interpupillary distance 55-75mm, Anti-mould	●	
	Sliding Trinocular Viewing Head, Inclined at 45°, 360° Rotatable, Interpupillary 55-75mm, Anti-mould		●
Eyepiece	Wide Field Eyepiece WF10×/18mm, Eyepiece Tube Diameter 23.2mm	●	●
	Wide Field Eyepiece WF16×/11mm	○	○

Objective	Achromatic Objective 4x, 10x, 40x, 100x			●	●	
	Fluorescent Achromatic Objective 4x, 10x, 40x, 100x			●	●	
	Achromatic Objective 20x, 60x			○	○	
	Plan Achromatic Objective 4x,10x,20x,40x, 60x, 100x			○	○	
Nosepiece	Quadruple Nosepiece			●	●	
	Quintuple Nosepiece			○	○	
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 28mm			●	●	
Stage	Double Layer Mechanical Stage 140x140mm, Cross Travel 75x50mm, Can Hold Two Sides			●	●	
Condenser	Abbe Condenser NA1.25 with Iris Diaphragm & Filter			●	●	
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter		
	Blue Excitation	BP460~490	DM500	BA520	●	●
	Green Excitation	BP510~550	DM570	BA590	●	●
	Ultraviolet Excitation	BP330~385	DM400	BA420	○	○
	Violet Excitation	BP400~410	DM455	BA455	○	○
Lamp	100W HBO Ultra Hi-voltage Spherical Mercury Lamp			●	●	
Power Box	Power box NFP-1, 220V/ 110V Interchangeable, Digital Display			●	●	
Transmitted Illumination	1W S-LED illumination, Brightness Adjustable			●	●	
	6V/20W Halogen Lamp, Brightness Adjustable			○	○	
	Plan-concave Mirror			○	○	
Optional Accessories	Photo Attachment, Video Attachment, Polarization Set, Phase Contrast Kit, Dark Field Attachment			○	○	
Package	2cartons/set, 33cm*28cm*44cm, 7kg; 38*45*26cm, 5kg			●	●	

Note: ●Standard Outfit, ○Optional

Sample Image



12. BS-2035 Biological Microscope



BS-2035B



BS-2035T

Introduction

BS-2035 series microscopes are classical biological microscopes, which feature ingenious stand, backward nosepiece and flexible structure. Nice shape, excellent optical system and flexible outfit make you enjoy the job.

Feature

1. Convenient and Comfortable Observing with High Point and Wide Field Eyepiece EW10×/ 20mm.
2. Sharp and Bright Image with Semi-plan Objectives.
3. Suitable for Different Region Power, supply with 100V-240V wide range input voltage.

Application

BS-2035 series microscopes are ideal instrument for biology field, bacteriology field, immunology field, pharmacology field and so on. They widely used in academic, medical and clinical areas for biological, pathological, bacterial, histological, immune and genetic applications.

Specification

Item	Specification	BS-2035B	BS-2035T
Viewing Head	Seidentopf Binocular Head, Inclined at 30°, 360° Rotatable, interpupillary distance 55-75mm	●	
	Seidentopf Trinocular Head, Inclined at 30°, 360° Rotatable, interpupillary distance 55-75mm		●
Eyepiece	Wide Field Eyepiece EW10×/ 20mm	●	●
	Wide Field Eyepiece P16×/ 11mm	○	○
Objective	Semi-plan Achromatic Objective 4×, 10×, 40×, 100×	●	●
	Plan Achromatic Objective 4×, 10×, 20×, 40×, 60×, 100×	○	○
	Infinite Plan Achromatic Objective 4×, 10×, 20×, 40×, 60×, 100×	○	○
Nosepiece	Backward Quadruple Nosepiece	●	●
	Backward Quintuple Nosepiece	○	○
Stage	Double Layers Mechanical Stage 140×140mm/ 75×50mm	●	●
Focus	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke	●	●

	37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 20mm		
Condenser	NA 1.25 Abbe Condenser with Iris Diaphragm and Filter	●	●
Illumination	1W S-LED Illumination, Brightness Adjustable	●	●
	6V/ 20W Halogen Lamp, Brightness Adjustable	○	○
	Kohler Illumination	○	○
Photo Adapter	Used to connect Nikon or Olympus DSLR camera to microscope		○
Video Adapter	C-Mount 1× & 0.5×		○
Filter	Blue, Green Filter	●	●
Polarization Set	Simple Polarization Set	○	○
Phase Contrast Kit	Simple Phase Contrast Kit	○	○
	Sliding Phase Contrast Kit	○	○
	Turret Phase Contrast Kit	○	○
Dark Field Attachment	Dark Field Condenser (Dry) NA 0.7-0.9	○	○
	Dark Field Condenser (Oil) NA 1.25-1.36	○	○
Fluorescent Attachment	YX-2 Epi-fluorescent Attachment	○	○
Pointer	Green LED Pointer System	○	○
Dimension& G.W.	35cm*31cm*57cm, 9.5kg	●	●

Note: ●Standard Outfit, ○Optional

Accessories



Epi-fluorescent Attachment

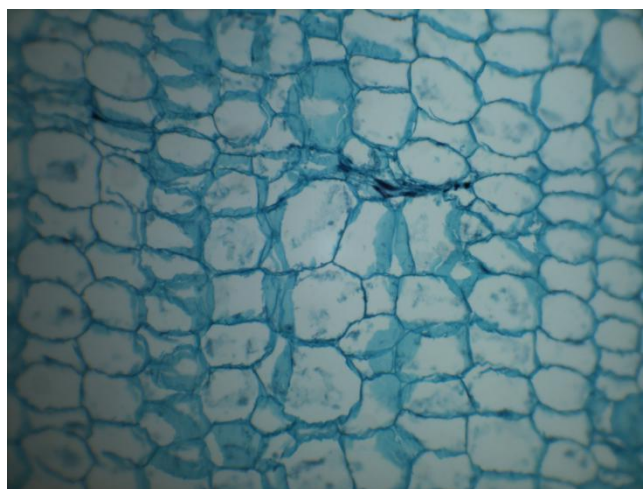
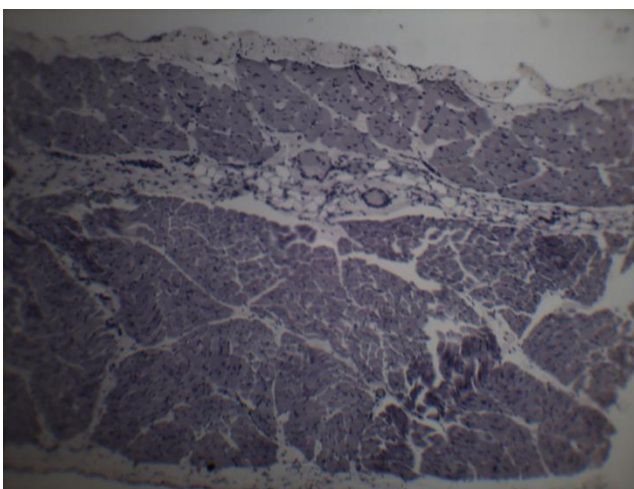


Turret Phase Contrast Kit



Dry, Oil Dark Field Condenser

Sample Image



13. BS-2035DA Digital Microscope



BS-2035DA1



BS-2035DA2

Introduction

BS-2035DA series digital microscopes are classical, the microscopes feature ingenious stand, sharp image, comfortable operation and high-resolution camera, which make your work much enjoyable.

Feature

1. With built-in 1.3MP digital camera, 2.0MP, 3.2MP, 5.0MP cameras are optional.
2. Sharpe Image with Semi-plan Achromatic Objectives.
3. Easy to replace lamp.
4. Professional and powerful micro-image process and analysis software.

Application

BS-2035DA series digital microscopes are widely used in hospitals, clinics, medical academies, morphology and related research centers for biological, pathological, bacterial, histological, immune, pharmacological and genetic applications.

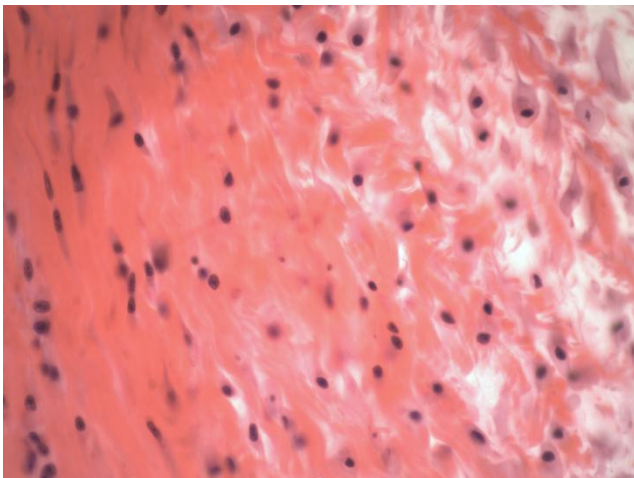
Specification

Item	Specification	BS-2035DA1	BS-2035DA2
Digital System	1.3MP CMOS digital camera with high-resolution, 1280×1024, USB2.0 output	●	●
	2.0MP CMOS digital camera with high-resolution, 1600×1200, USB2.0 output	○	○
	3.0MP CMOS digital camera with high-resolution, 2048×1536, USB2.0 output	○	○
	5.0MP CMOS digital camera with high-resolution, 2592×1944, USB2.0 output	○	○
Viewing Head	Seidentopf type Binocular Head at 30°, Interpupillary Distance 55-75mm	●	
	Seidentopf type Binocular Head at 30°, Interpupillary Distance 48-75mm		●
Eyepiece	Extra Wide Field EW10×/20mm	●	●
Nosepiece	Backward Quadruple Nosepiece	●	●
	Backward Quintuple Nosepiece	○	○

Objective	Semi-plan Achromatic Objective 4x, 10x, 40x, 100x	●	●
	Plan Achromatic Objective 4x, 10x, 20x, 40x, 60x, 100x	○	○
	Infinite Plan Achromatic Objective 4x, 10x, 20x, 40x, 60x, 100x	○	○
Condenser	NA1.25 Abbe Condenser with iris diaphragm and filter, rack & pinion adjustment	●	●
Stage	Double Layers Mechanical Stage 140x140mm/ 75x50mm	●	●
Illumination	1W S-LED Illumination, Brightness Adjustable	●	●
	6V/20W Halogen Lamp, Brightness Adjustable	○	○
	Kohler Illumination	○	○
Filter	Blue and Green Filter	●	●
Phase Contrast Kit	Turret Phase Contrast Kit	○	○
Polarization Set	Simple Polarization Attachment	○	○
Dark-field Attachment	Dark-field Condenser(Dry)	○	○
	Dark-field Condenser(Oil)	○	○
Pointer	LED Pointer	○	○
Software	ScopeImage 9.0	●	●

Note: ●Standard Outfit, ○Optional

Sample Image



14. BS-2036 Biological Microscope



BS-2036A/B/C/D



BS-2036AT/BT/CT/DT

Introduction

BS-2036 series microscopes are middle level microscopes which are specially designed for college education, medical and laboratory study. They adopt high quality optical system, beautiful structure and ergonomic design. With an innovative optical and structure design idea, excellent optical performance and easy to operate system, these biological microscopes make your works enjoyable.

Feature

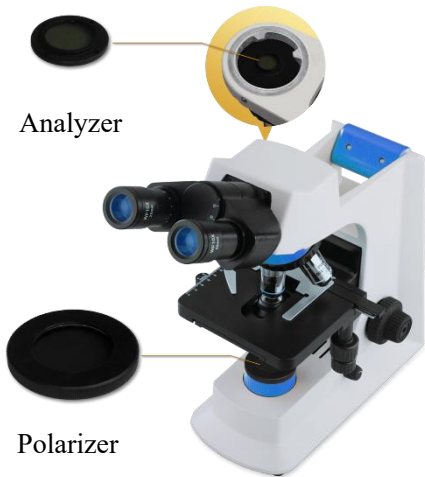
1. Excellent optical system, outstanding image quality with high resolution and definition.
 2. Comfortable operating with ergonomic design.
 3. Unique aspheric illumination system, provide bright and comfortable lighting.
 4. White color is standard, blue color is optional for lively environment and happy mood.
 5. Back handle and observing hole convenient for carry and operation.
 6. Various accessories for upgrading.
- (1) Wire winding device convenient for carry and storage (optional).



- (2) Phase contrast unit, Independent phase contrast unit (optional, apply to infinite optical system).



(3) Simple polarizing unit with polarizer and analyzer (optional).



Analyzer

Polarizer

(4) Dry / Oil Dark Field Condenser (optional).



Dry DF Condenser



Oil DF Condenser

(5) Mirror(optional).



(6) Fluorescent attachment(optional, with LED or mercury light source)



BS-2036FB(LED)

BS-2036FB

Application

BS-2036 series microscopes are ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

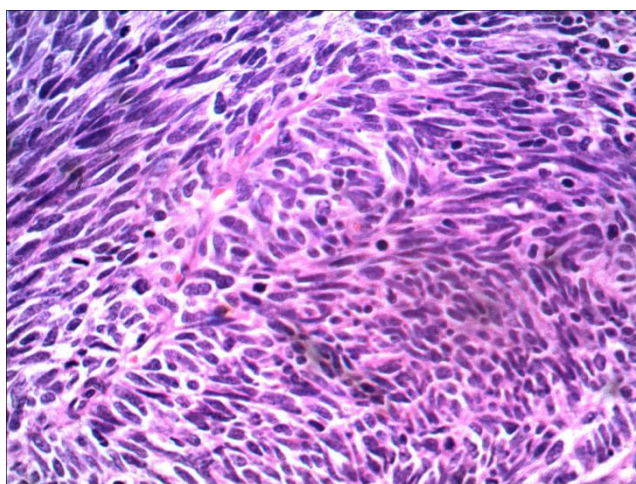
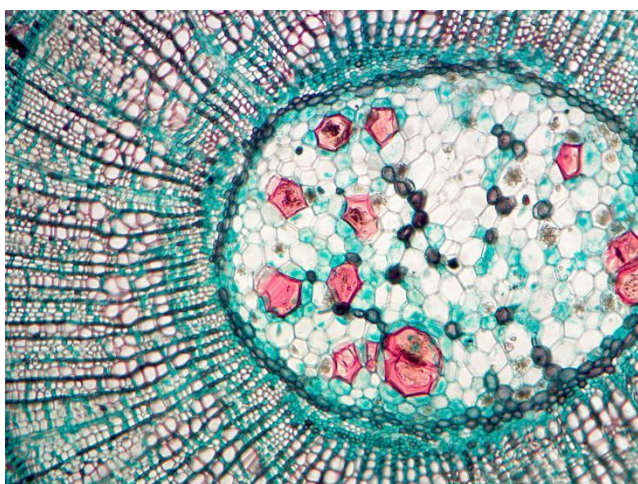
Specification

Item	Specification	BS-2036A	BS-2036B	BS-2036C	BS-2036D
Optical System	Finite Optical System	●	●		
	Infinite Optical System			●	●
Viewing Head	Seidentopf Binocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm	●	●	●	●
	Seidentopf Trinocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm, Light Distribution: 20:80 (eyepiece: trinocular tube)	○	○	○	○
Eyepiece	WF10×/18mm	●			
	WF10×/20mm		●	●	●
	WF16×/13mm	○	○	○	○
	Reticule Eyepiece WF10×/18mm (0.1mm)	○	○	○	○
	Reticule Eyepiece WF10×/20mm (0.1mm)		○	○	○
Achromatic Objective	4×, 10×, 40×(S), 100×/1.25 (Oil) (S)	●			
	20×, 60× (S)	○			
Plan Achromatic Objective	4×, 10×, 40×/0.65 (S), 100×/1.25 (Oil) (S)		●		
	20×, 60× (S)		○		
Infinite Achromatic Objective	E-Plan 4×, 10×, 40× (S), 100× (Oil) (S)			●	
	Plan 4×, 10×, 40× (S), 100× (Oil) (S)			○	●
	Plan 20×, 60× (S)			○	○
Nosepiece	Backward Quadruple Nosepiece	●	●	●	●
	Backward Quintuple Nosepiece	○	○	○	○
Focusing	Coaxial Coarse & Fine Focusing knobs, Travel Range: 26mm, Scale:2um	●	●	●	●
Stage	Double Layers Mechanical Stage, Size: 145×140mm, Cross Travel 76×52mm, Scale 0.1mm, Two Slide Holder	●	●	●	●
	Rackless Double Layers Mechanical Stage, Size: 140×135mm, Cross Travel 75×35mm, Scale 0.1mm, Two Slide Holder	○	○	○	○
Condenser	Abbe Condenser NA1.25 with Iris Diaphragm	●	●	●	●
Illumination	3W LED Illumination Systems, Brightness Adjustable	●	●	●	●
	6V/20W Halogen Lamp, Brightness Adjustable	○	○	○	○
	6V/30W Halogen Lamp, Brightness Adjustable	○	○	○	○
Field Diaphragm		○	○	○	○
Dark Field Condenser	N.A.0.9 (Dry) Dark Field Condenser(For 10×-40× objective)	○	○	○	○

	N.A.1.3 (Oil) Dark Field Condenser(For 100× objective)	○	○	○	○
Polarizing Set	Analyzer and Polarizer	○	○	○	○
Phase contrast unit	With Infinite Plan Objectives 10× /20× /40× /100×			○	○
Fluorescence Attachment	Epi-fluorescence unit (six-hole disc media which can be fixed with Uv /V/B/G and another filters) ,100W mercury lamp.			○	○
	Epi fluorescence unit (six-hole disc media which can be fixed with Uv /V/B/G), 5W LED fluorescence lamp.			○	○
Filter	Blue	○	○	○	○
	Green	○	○	○	○
	Yellow	○	○	○	○
Photo Adapter	Used to Connect Nikon/Canon/Sony/Olympus DSLR camera to the microscope	○	○	○	○
Video Adapter	0.5X C-Mount (Focus adjustable)	○	○	○	○
	1X C-Mount	○	○	○	○
Mirror	Reflect Mirror	○	○	○	○
Cable Winding Device	Used to wind cable on back of the microscope	○	○	○	○
Rechargeable Battery	3pcs AA rechargeable Nickel-metal hydride battery	○	○	○	○
Package	1pc/carton, 42cm*28cm*45cm, Gross Weight 8kg, Net Weight 6.5kg	○	○	○	○

Note: ●Standard Outfit, ○Optional

Sample Images



15. BS-2036F(LED) Fluorescent Biological Microscope



Introduction

BS-2036F(LED) Series LED fluorescence microscopes are newly developed microscopes, the microscopes use LED as the light source, the life span of the LED lamp is much longer than mercury lamp. It has 6 turret positions for filter cubes, more filter cubes can be used together.

Features

1. Excellent fluorescent image with infinite optical system.
2. LED illumination with 50,000 hours life span.
3. Convenient to use, no need warm-up.
4. No need for cooling due to LED cold light source.
5. 6 positions for filter cubes.

Application

BS-2036F(LED) series LED Fluorescence microscopes are used to study the absorbing, transportation, chemicals distribution and positioning in cells. They are widely used in disease examination, immune diagnosis and life science areas.

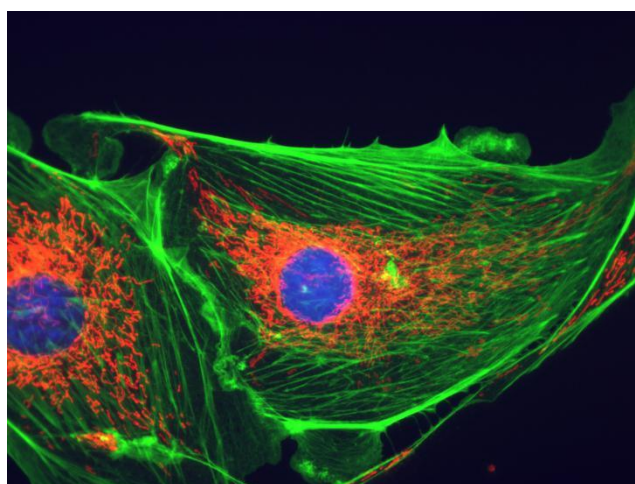
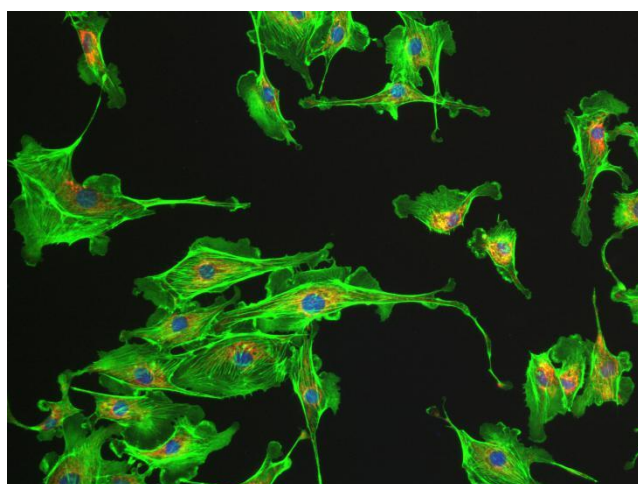
Specifications

Item	Specification	BS-2036 FB(LED)	BS-2036 FT(LED)
Optical System	Infinite Optical System	•	•
Viewing Head	Seidentopf Binocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm	•	
	Seidentopf Trinocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm, Light Distribution: 20:80 (eyepiece: trinocular tube)		•

Eyepiece	WF10×/20mm			●	●
	WF16×/13mm			○	○
	Reticule Eyepiece WF10×/20mm (0.1mm)			○	○
Objective	Infinite E-Plan Achromatic Objective 4×, 10×, 40×, 100×(Oil)			●	●
	Infinite Plan Achromatic Objective 4×, 10×, 20×, 40× (S), 60× (S), 100× (Oil) (S)			○	○
Nosepiece	Backward Quadruple Nosepiece			●	●
	Backward Quintuple Nosepiece			○	○
Focusing	Coaxial Coarse & Fine Focusing knobs, Travel Range: 26mm, Scale:2um			●	●
Stage	Stage Size: 145×140mm, Cross Travel 76×52mm, Two Slide Holder			●	●
	Rackless Double Layers Mechanical Stage, Size: 140×135mm, Cross Travel 75×35mm, Scale 0.1mm, Two Slide Holder			○	○
Condenser	Abbe Condenser NA1.25 with Iris Diaphragm			●	●
Transmitted Illumination	3W-LED Illumination Systems, Brightness Adjustable			●	●
	6V/20W Halogen Lamp, Brightness Adjustable				
	6V/30W Halogen Lamp, Brightness Adjustable			○	○
Optional Accessories	Field Diaphragm, Photo adapters(for DSLR cameras), Video adapters(1X, 0.5X), Polarization set, Phase contrast kit, filters, mirror, Cable Winding Device			○	○
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter	
	Blue excitation	420-490	505	520	●
	Green excitation	500-550	575	590	●
	Uv excitation	330-380	400	435	○
	V excitation	380-420	430	460	○
Fluorescent Lamp	5W LED Lamp			●	●
Package	42cm*28cm*45cm, 40cm*20cm*40cm, 12kg			●	●

Note: ●Standard Outfit, ○Optional

Sample Images



16. BS-2038 Series Biological Microscope



BS-2038B1/B2



BS-2038T1/T2

Introduction

BS-2038 series microscopes are specially designed for college education, medical and laboratory study. They adopt Infinite optical system, beautiful structure and ergonomic design. With an innovative optical and structure design, excellent optical performance and easy to operate system, these biological microscopes make your works enjoyable.

Feature

1. Excellent infinite optical system with High resolution and perfect definition.
2. Comfortable operating with ergonomic design.
3. 100X water objective is available for convenient viewing.
4. Unique LED illumination system, provide bright and comfortable lighting.
5. Winding device for cable, easy to move and storage.
6. Various accessories for upgrading.



Wire Winding Device



Rackless(Integrated) Stage



100× Water objective



Simple polarizing unit
Polarizer & analyzer



Dark filed unit available
for 4×- 60× objective

Application

BS-2038 series microscopes are ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

Specification

Item	Specification	BS-2038B1	BS-2038B2
Optical System	Color Corrected Infinite Optical System	●	●
Viewing Head	Seidentopf Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-75mm	●	●
	Seidentopf Trinocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-75mm, Light Distribution: 20:80	○	○
Eyepiece	WF10×/20mm (High eyepoint)	●	●
	WF16×/13mm	○	○
	WF10X/20mm(High eyepoint, Focus non-adjustable, Reticule 0.1mm)	○	○
	WF10X/20mm(High eyepoint, Focus adjustable, Reticule 0.1mm)	○	○
Infinite Objective	E-Plan 4×/0.10	●	○
	E-Plan 10×/0.25	●	○
	E-Plan 40×/0.65(S)	●	○
	E-Plan100×/1.25(S, Oil)	●	○
	Plan 4×/0.10	○	●
	Plan 10×/0.25	○	●
	Plan 20×/0.40(S)	○	○
	Plan 40×/0.66(S)	○	●
	Plan 60×/0.80(S)	○	○
	Plan 100×/1.25(S, Oil)	○	●
Plan 100×/1.15(S, Water)	○	○	
Nosepiece	Backward Quadruple Nosepiece	●	●
Mechanical Stage	Size 145mm×140mm, Travel Range:76mm×52mm, Scale: 0.1mm, Two Slide Holder	●	●
	Rackless(integrated) Stage, Size 140mm×135mm, Travel Range: 75mm×35mm, Scale: 0.1mm, Two Slide Holder	○	○
Abbe Condenser	N.A.1.25, With iris Diaphragm	●	●
Focusing	Coaxial Coarse and Fine Focusing Knob, Coarse Focusing Travel Range: 25mm, Fine division: 2μm	●	●
Illumination	3W LED Illumination, Voltage: 100V-240V	●	●
Dark Field Unit	Dark Field Ring (Dry, N.A.0.9), used for 4X, 10X, 20X, 40X, 60X objective	○	○
Polarizing Unit	Analyzer, Polarizer	○	○
C-mount	1× C-mount	○	○

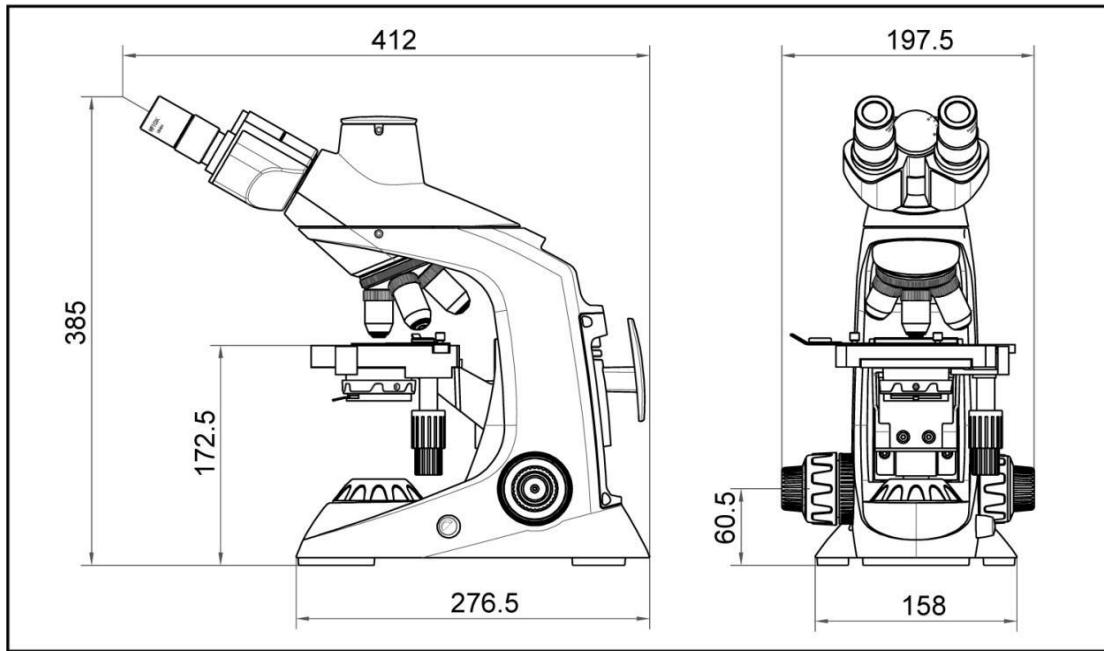
	0.5× C-mount (Focus adjustable)	○	○
Wire Winding Device	Wind cable on back of the microscope	●	●
Filter	Blue/ Green/ Yellow	○	○

Note: ●Standard Outfit, ○Optional

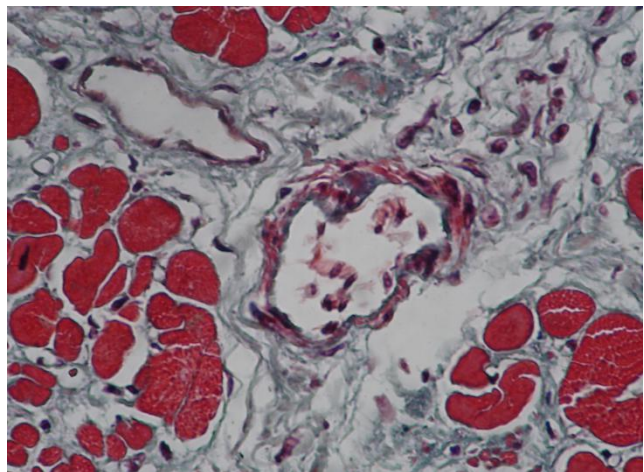
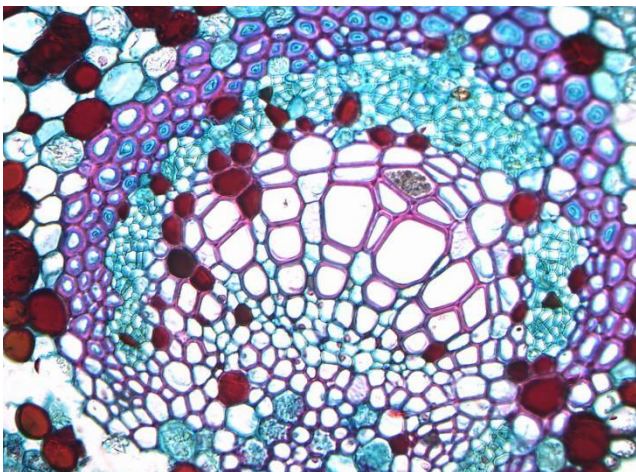
Packing Size: 350mm×270mm×470mm, Gross Weight: 6.7 kgs, Net Weight: 5.3 kgs

Dimension

Unit: mm



Sample Image



17. BS-2040 Biological Microscope



BS-2040B



BS-2040T



BS-2040BD

Introduction

BS-2040 series microscopes are classical biological microscopes with ingenious stand, high definition infinite optical system, sharp image and comfortable operation, which make your work much enjoyable.

Feature

1. Infinite Optical System.
2. Extra Wide Field Eyepiece EW10×/20 with Diopter Adjustment is optional.
3. Sliding-in Centerable Condenser.
4. Easy carrying Handle.
5. BS-2040BD support Multi-language (Arabic, Chinese, English, French, German, Japanese, Polish).
6. BS-2040BD support Windows Vista / Win 7 / Win8 / Win 10 Operation System. The software can preview, take photos and video, do image processing and measurement.

Application

BS-2040 series microscopes are ideal instruments in biological, pathological, histological, bacterial, immune, pharmacological and genetic fields. They can be widely used in medical and sanitary establishments, such as hospitals, clinics, laboratories, medical academies, colleges, universities and related research centers.

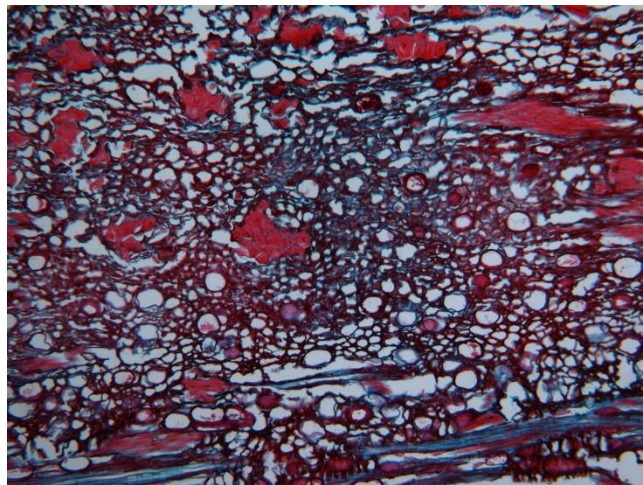
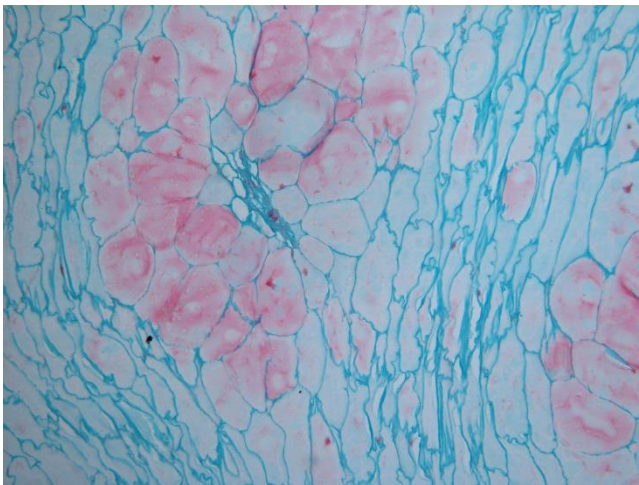
Specification

Item	Specification	BS-2040B	BS-2040T	BS-2040BD
Optical System	Infinite Optical System	●	●	●
Viewing Head	Seidentopf binocular head, 30° inclined, Interpupillary 48-75mm	●		
	Seidentopf trinocular head, 30° inclined, Interpupillary 48-75mm		●	
	Built-in 3.0MP digital camera with ScopelImage 9.0 Software; Binocular Head, Inclined at 30°, Interpupillary Distance 48-75mm			●
Eyepiece	Wide Field Eyepiece WF 10×/18mm	●	●	●
	Extra Wide Field Eyepiece EW10×/20 with Diopter Adjustment	○	○	○

Objective	Infinite Semi-plan Achromatic Objectives 4×, 10×, 40×, 100×	●	●	●
	Infinite Plan Achromatic Objectives 2×, 4×, 10×, 20×, 40×, 60×, 100×	○	○	○
Nosepiece	Backward Quadruple Nosepiece	●	●	●
	Backward Quintuple Nosepiece	○	○	○
Stage	Double Layers Mechanical Stage 140mm×140mm/ 75mm×50mm	●	●	●
	Left hand operation Double Layers Mechanical Stage 140mm×140mm/ 75mm×50mm	○	○	○
Condenser	Sliding-in Centerable Condenser NA1.25	●	●	●
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 20mm	●	●	●
Illumination	1W S-LED Lamp, Brightness Adjustable	●	●	●
	6V/20W Halogen Lamp, Brightness Adjustable	○	○	○
Optional accessories	Phase Contrast Kit	○	○	○
	Dark Field Attachment	○	○	○
	YX-2 Epi-fluorescent Attachment	○	○	○
	FL-LED Epi-fluorescent Attachment	○	○	○
Package	1pc/carton, 35cm*35.5cm*55.5cm, gross weight: 12kg	●	●	●

Note: ● Standard Outfit, ○ Optional

Sample Image



18. BS-2040F(LED) Fluorescent Biological Microscope



BS-2040FB(LED)



BS-2040FT(LED)

Introduction

BS-2040F(LED) Series LED fluorescence microscopes are newly developed microscopes, the microscopes use LED as the light source, the life span of the LED lamp is much longer than mercury lamp, the performance is also better.

Feature

1. Excellent fluorescent image with infinite optical system.
2. LED illumination with 50,000 hours life span.
3. No need for cooling system and protection device due to LED cold light source.
4. 465-476nm excited wavelength with high SNR.
5. Convenient to use, no need warm-up.
6. More fluorescent filters are available for different applications.

Application

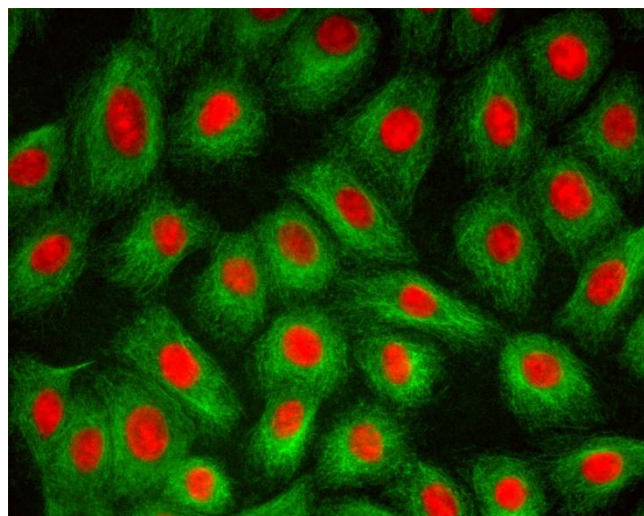
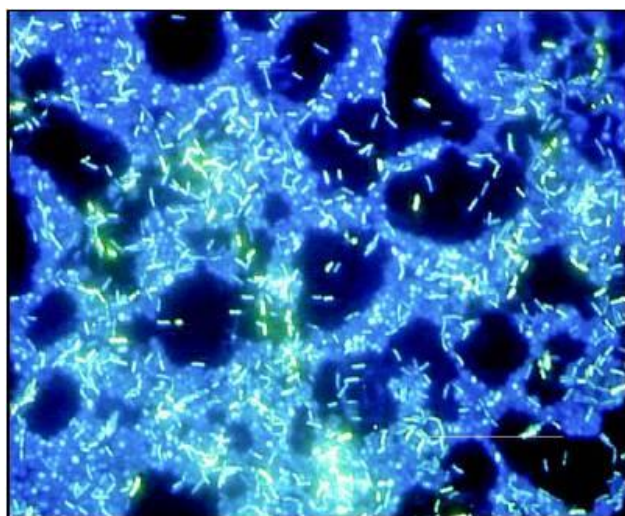
BS-2040F(LED) LED Fluorescence microscopes are used to study the absorbing, transportation, chemicals distribution and positioning in cells. They are widely used in laboratories, clinics, hospitals, medical colleagues and universities for disease examination, immune diagnosis and life science research.

Specification

Item	Specification	BS-2040 FB (LED)	BS-2040 FT (LED)			
Optical System	Infinite Optical System	●	●			
Viewing Head	Seidentopf Binocular Head, Inclined at 30°, Interpupillary 48-75mm	●				
	Seidentopf Trinocular Head, Inclined at 30°, Interpupillary 48-75mm		●			
Eyepiece	Wide Field Eyepiece WF10×/18mm	●	●			
Nosepiece	Backward Quadruple Nosepiece	●	●			
	Backward Quintuple Nosepiece	○	○			
Objective	Infinite Semi-plan Achromatic Objective: 4×, 10×, 40×, 100×	●	●			
	Infinite Plan Achromatic Objective: 4×,10×, 20×, 40×, 60×, 100×	○	○			
	Infinite Plan Fluorescent Objective: 4×,10×, 20×, 40×, 100×	○	○			
Condenser	Sliding-in Centerable Condenser NA 1.25	●	●			
Focusing	Coaxial Coarse&Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm/Rotation, Fine Stroke 0.2mm/Rotation, Moving Range 20mm	●	●			
Stage	Double Layers Mechanical Stage 140×140/ 75×50 mm	●	●			
Photo Adapter	Used to connect Nikon or Canon DSLR camera to the microscope	○	○			
Video Adapter	1×, 0.5× C-mount	○	○			
Transmitted Illumination	3W S-LED Illumination, Brightness Adjustable	●	●			
	Halogen Lamp 6V/20W, Brightness Adjustable	○	○			
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter		
	Blue excitation	BP460~490	DM505	BA515	●	●
	Green excitation	BP510~550	DM570	BA590	●	●
Lamp	3W LED Lamp(465-476nm)	●	●			
	3W LED Lamp(525-530nm)	●	●			
Immersion Oil	Fluorescent Free Oil	●	●			

Note: ●Standard Outfit, ○Optional

Sample Image



19. BS-2040F(LED, TB) Fluorescent Biological Microscope



BS-2040FB(LED, TB)



BS-2040FT(LED, TB)

Introduction

BS-2040F(LED,TB) Series LED Fluorescence Microscopes are professional solution for tuberculosis test applications with LED fluorescence excitation and transmitted-light brightfield illumination. The life span of the LED lamp is much longer than mercury lamp, the performance is also better.

Feature

1. Excellent fluorescent image with infinite optical system.
2. LED illumination with 50,000 hours life span. Convenient to use, no need warm-up.
3. No need for cooling system and protection device due to LED cold light source.
4. 450nm excited wavelength with high SNR.
5. More fluorescent filters are available for different applications.

Application

BS-2040F(LED, TB) LED Fluorescence microscopes are used to study the absorbing, transportation, chemicals distribution and positioning in cells. They are widely used in laboratories, clinics, hospitals, medical colleagues and universities for disease examination, immune diagnosis and life science research.

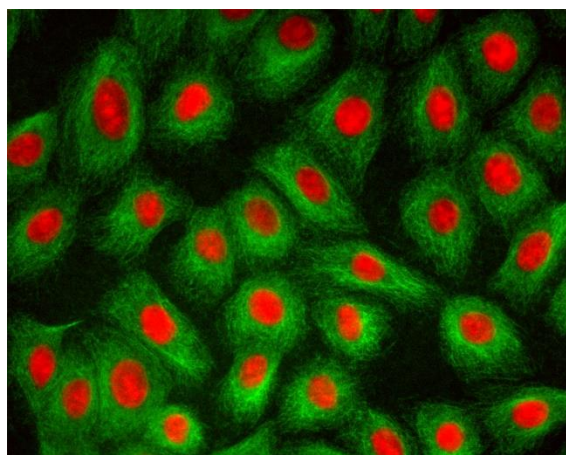
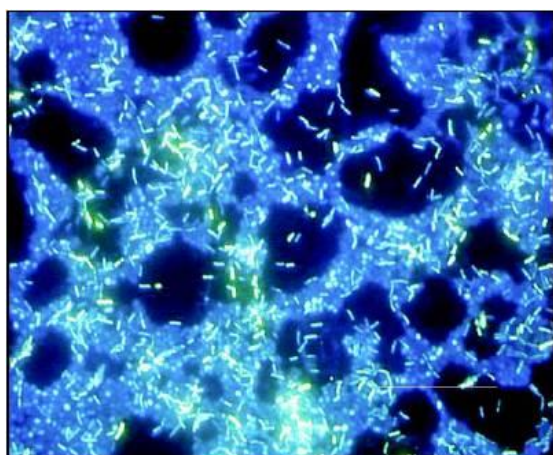
Specification

Model	Specification	BS-2040FB (LED, TB)	BS-2040FT (LED, TB)
Optical System	Infinite Optical System	●	●
Viewing Head	Seidentopf Binocular Head, Inclined at 30°, Interpupillary 48-75mm	●	
	Seidentopf Trinocular Head, Inclined at 30°, Interpupillary 48-75mm		●
Eyepiece	Wide Field Eyepiece WF10×/18	●	●
	Wide Field Eyepiece WF10×/20	○	○
	Wide Field Eyepiece WF10×/22(with 30mm eyepiece tube)	○	○
Nosepiece	Backward Quadruple Nosepiece	●	●
Objective	Infinite Semi-plan Achromatic Objective: 4×, 10×, 40×, 100×	●	●

	Infinite Plan Achromatic Objective: 4x, 10x, 20x, 40x, 60x, 100x				○	○
	Infinite Plan Fluorescent Objective: 4x, 10x, 20x, 40x, 100x				○	○
Condenser	Sliding-in Centerable Condenser NA 1.25				●	●
	Swing-out Condenser NA0.9/0.25				○	○
Focusing	Coaxial Coarse&Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm/Rotation, Fine Stroke 0.2mm/Rotation, Moving Range 20mm				●	●
Stage	Double Layers Mechanical Stage 140×140/ 75×50 mm				●	●
	Rackless Double Layers Mechanical Stage 150mm×139mm, Moving Range 75mm×52mm				○	○
Photo Adapter	Used to connect Nikon or Canon DSLR camera to the microscope				○	○
Video Adapter	1× C-mount				○	○
	0.5× C-mount				○	○
Transmitted Illumination	3W S-LED Illumination, Brightness Adjustable				●	●
	Halogen Lamp 6V/20W, Brightness Adjustable				○	○
Fluorescent Filter	Item	Excitation	Dichroic Mirror	Barrier Filter		
	FL-Auramine	BP470	DM480	BA485	●	●
	Blue excitation	BP460~490	DM505	BA515	○	○
	Green excitation	BP510~550	DM570	BA590	○	○
Reflected Light Source	3W LED Lamp(450nm)				●	●
	3W LED Lamp(465-476nm)				○	○
	3W LED Lamp(525-530nm)				○	○
Rechargeable Battery	Lithium Rechargeable battery for both reflected and transmitted illumination, can work more than 8 hours after one charge				○	○
Immersion Oil	Fluorescent Free Oil				●	●
Optional accessories	BPHE-1 Turret Phase Contrast Kit				○	○
	Simple Polarizing Set				○	○
	Dry Darkfield Condenser (used for 4x, 10x, 20x, 40x, 60x objectives)				○	○
	Oil Darkfield Condenser (used for 100x objective)				○	○
	Dust Cover				●	●

Note: ●Standard Outfit, ○Optional

Sample Image



20. BS-2041 Biological Microscope



BS-2041B



BS-2041T

Introduction

BS-2041 series microscopes are classical biological microscopes with ingenious stand, high definition infinite optical system, sharp image and comfortable operation, which make your work much enjoyable.

Feature

1. Infinite Optical System.
2. WF10×/22mm eyepiece with diopter adjustment.
3. Sliding-in Centerable Condenser.
4. Easy carrying handle.
5. Fluorescent attachment, Dark field condenser, phase contrast attachment, simple polarizing kit are optional.

Application

BS-2041 series microscopes are ideal instruments in biological, pathological, histological, bacterial, immune, pharmacological and genetic fields. They can be widely used in medical and sanitary establishments, such as hospitals, clinics, laboratories, medical academies, colleges, universities and related research centers.

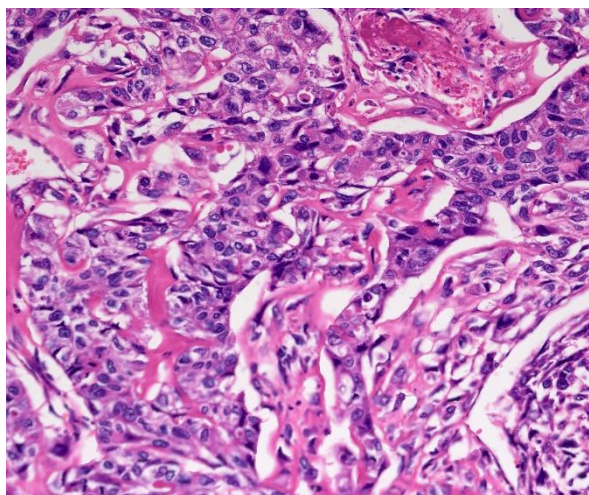
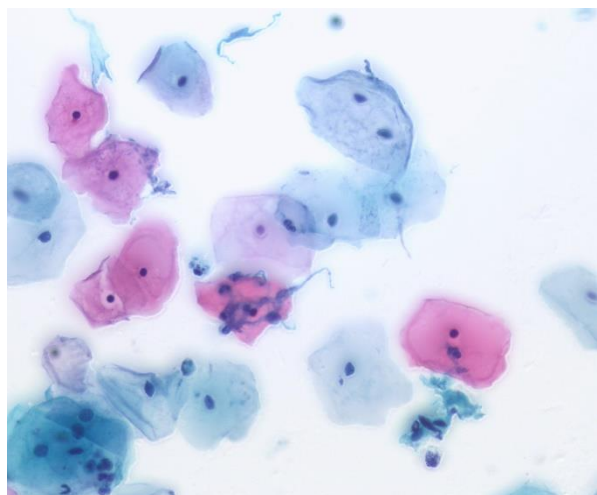
Specification

Item	Specification	BS-2041B	BS-2041T
Optical System	Infinite Optical System	●	●
Viewing Head	Seidentopf binocular head, 30° inclined, Interpupillary 48-75mm, eyepiece tube: Φ30mm	●	
	Seidentopf trinocular head, 30° inclined, Interpupillary 48-75mm, eyepiece tube: Φ30mm, Light distribution: 100: 0 and 50:50(eyepiece: trinocular tube)		●
Eyepiece	Wide Field Eyepiece WF 10×/22mm with Diopter Adjustment	●	●
	WF15×/16mm Eyepiece	○	○
	WF20×/12mm Eyepiece	○	○
	Eyepiece micrometer 0.1mm	○	○

Objective	Infinite Plan Achromatic Objectives 4x, 10x, 40x(S), 100x(S, Oil)	●	●
	Infinite Plan Achromatic Objectives 2x, 20x, 60x(S)	○	○
	Infinite Semi-Plan Achromatic Objectives 4x, 10x, 40x(S), 100x(S, Oil)	○	○
	Infinite Plan Fluorescent Achromatic Objectives 4x, 10x, 20x, 40x(S), 100x(S, Oil)	○	○
Nosepiece	Backward Quadruple Nosepiece	●	●
	Backward Quintuple Nosepiece	○	○
Stage	Double Layers Mechanical Stage 140mm×140mm/ 75mm×50mm	●	●
	Rackless Double Layers Mechanical Stage 150mm×139mm, Moving Range 75mm×52mm	○	○
Condenser	Sliding-in Centerable Condenser NA1.25	●	●
	Swing-out Condenser NA 0.9/ 0.25	○	○
	Dark Field Condenser NA 0.7-0.9 (Dry, used for objectives except 100x)	○	○
	Dark Field Condenser NA 1.25-1.36 (Oil, used for 100x objectives)	○	○
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 20mm	●	●
Illumination	3W LED Lamp, Brightness Adjustable	●	●
	6V/20W Halogen Lamp, Brightness Adjustable	○	○
	Kohler Illumination	○	○
Optional accessories	Simple Polarizing Set (Polarizer and Analyzer)	○	○
	Phase Contrast Kit BPHE-1 (Infinite 10x, 20x, 40x, 100x phase contrast objective)	○	○
	YX-2 Epi-fluorescent Attachment (Mercury lamp)	○	○
	FL-LED Epi-fluorescent Attachment (LED lamp, B, G, UV, V, R fluorescent filters are available)	○	○
Video Adapter	1x C-mount (Used for large format microscope camera)		○
	0.5x C-mount (Used for microscope camera)		●
Photo Adapter	BDPL-1(Nikon), Used for Nikon DSLR cameras		○
	BDPL-2(Canon), Used for Canon DSLR cameras		○
Packing	1pc/carton, 35cm*35.5cm*55.5cm, gross weight: 12kg	●	●

Note: ● Standard Outfit, ○ Optional

Sample Image



21. BS-2042 Biological Microscope



BS-2042B



BS-2042T

Introduction

BS-2042 series microscopes are classical biological microscopes with ingenious stand, high definition infinite optical system, sharp image and comfortable operation, which make your work much enjoyable.

Feature

1. Infinite Color Corrected Optical System.
2. Sensitive dimming system
3. Koehler illumination.
4. Easy carrying Handle.

Application

BS-2042 series microscopes are ideal instruments in biological, pathological, histological, bacterial, immune, pharmacological and genetic fields. They can be widely used in medical and sanitary establishments, such as hospitals, clinics, laboratories, medical academies, colleges, universities and related research centers.

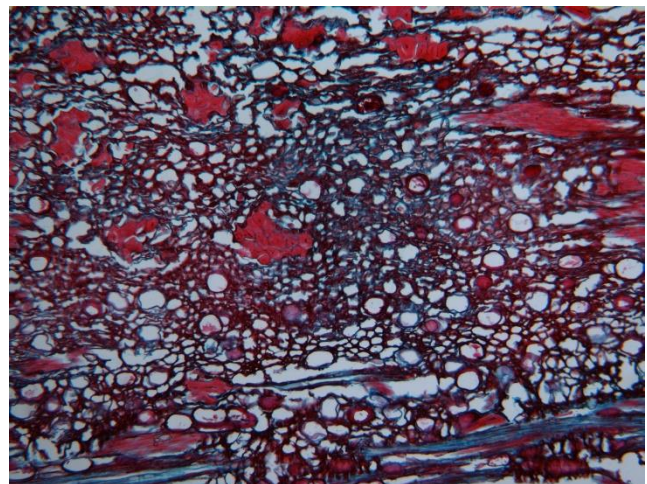
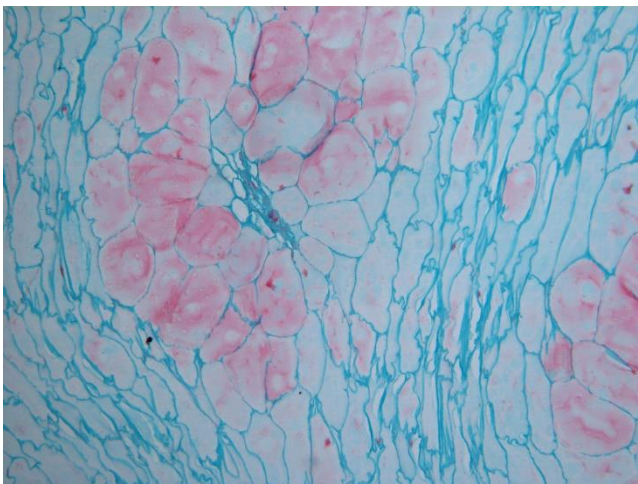
Specification

Item	Specification	BS-2042B	BS-2042T
Optical System	Infinite Color Corrected Optical System	●	●
Viewing Head	Seidentopf binocular head, 30° inclined, Interpupillary 48-75mm	●	
	Seidentopf trinocular head, 30° inclined, Interpupillary 48-75mm, Light splitting ratio: Eyepiece:Trinocular=8:2		●
Eyepiece	Plan 10×/18mm with adjustable diopter	●	●
	Plan 10×/20mm with adjustable diopter	○	○
Objective	Infinite plan Achromatic Objectives 4×, 10×, 40×, 100×	●	●
Nosepiece	Reversed Quadruple Nosepiece	●	●
	Reversed Quintuple Nosepiece	○	○

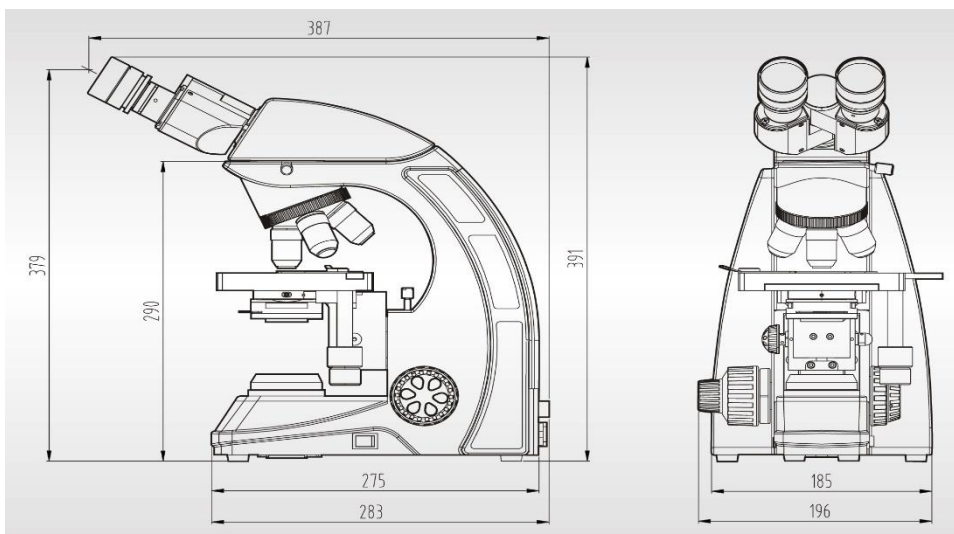
Stage	Double Layers Mechanical Stage 140mm×132mm, moving range 76mm×50mm	●	●
Condenser	NA1.25 Condenser (with slot for phase contrast and darkfield accessories)	●	●
Focusing	Coaxial focusing system with tension adjustable, coarse:25mm per rotation, with upper limit and tightness adjustment, Fine Division 0.002mm	●	●
Illumination	100V-240V, single high brightness 3W LED Koehler illumination, intensity adjustable	●	●
	100V-240V, Philips 6V/20W halogen Koehler illumination, intensity adjustable	○	○
Optional accessories	Phase Contrast Kit	○	○
	Dark Field Attachment	○	○
	Polarizing attachment	○	○
	Video & photo accessories (1/3×, 1/2×, 1× C-mount)		○
	Various filters (Blue, Green, Yellow and frosted)	○	○

Note: ● Standard Outfit, ○ Optional

Sample Image



Dimension



Unit:mm

22. BS-2052 Biological Microscope



BS-2052A



BS-2052A(ECO)



BS-2052B



BS-2052BT(ECO)

Introduction

BS-2052 series microscopes are classical biological microscopes with ingenious stand, high definition optical system, sharp image and comfortable operation, which make your work much enjoyable.

Feature

1. High contrast and sharp image with high quality optical system.
2. Low environment requirement with Anti-mould technology.
3. Comfortable operation with low position coarse and fine adjustment knobs.
4. ECO function is optional, automatically turn off after 15 mins of no use.
5. With cord rest on the back, making the working table clean and tidy.



Application

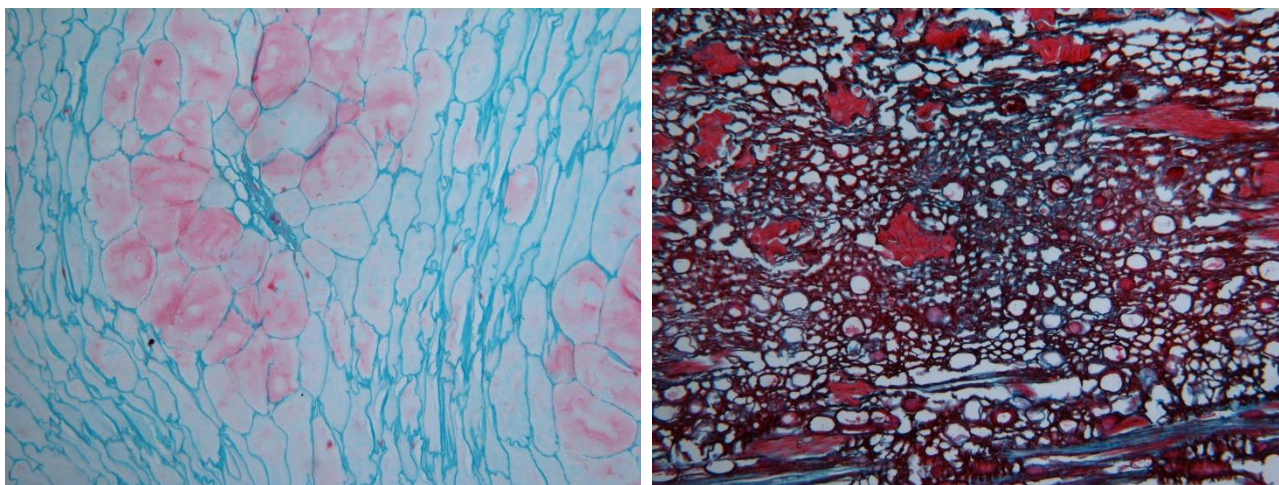
BS-2052 series microscopes are ideal instruments in biological, pathological, histological, bacterial, immune, pharmacological and genetic fields. They can be widely used in medical and sanitary establishments, such as hospitals, clinics, laboratories, medical academies, colleges, universities and related research centers.

Specification

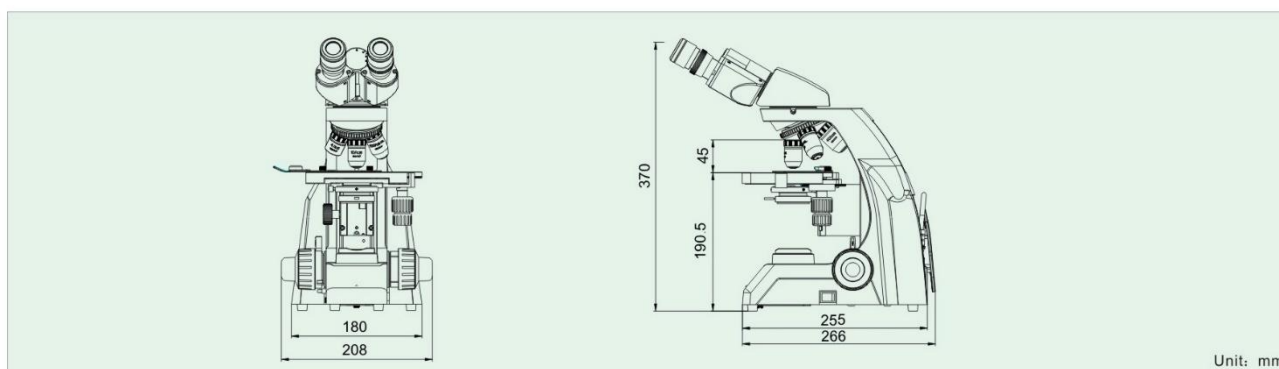
Item	Specification	BS-2052A	BS-2052B
Optical System	Finite Optical System	●	
	Infinite Optical System		●
Eyepiece	WF10×/18mm	●	
	WF10×/20mm		●
Viewing Head	Monocular Head, inclined at 30°	○	
	Seidentopf Binocular Head, inclined at 30°, Interpupillary 47-78mm	●	●
	Seidentopf Trinocular Head, inclined at 30°, Interpupillary 47-78mm	○	○
	Digital Binocular Head with built-in camera, Inclined at 30°, Interpupillary Distance 47-78mm, 5.0MP, Support Wifi	○	○
	Digital Binocular Head with Tablet camera, Inclined at 30°, Interpupillary Distance 47-78mm, 5.0MP, 8" LCD, Android OS	○	○
Objective	Finite Achromatic Objectives 4×, 10×, 40×, 100×	●	
	Finite Achromatic Objectives 20×, 60×	○	
	Finite Semi-Plan Achromatic Objectives 2×, 4×, 10×, 20×, 40×, 60×, 100×	○	
	Finite Plan Achromatic Objectives 4×, 10×, 20×, 40×, 60×, 100×	○	
	Infinite Semi-Plan Achromatic Objectives 4×, 10×, 40×, 100×		●
	Infinite Plan Achromatic Objectives 2×, 4×, 10×, 20×, 40×, 60×, 100×		○
	Infinite Plan Fluorescent Objective 4×, 10×, 20×, 40×, 100×		○
Nosepiece	Backward Quadruple Nosepiece	●	●
	Backward Quintuple Nosepiece	○	○
Stage	Double Layers Mechanical Stage 140mm×140mm, Moving Range 75mm×50mm	●	
	Rackless Double Layers Mechanical Stage 150mm×139mm, Moving Range 75mm×52mm		●
Condenser	Abbe Condenser NA1.25	●	●
	Dark Field Condenser (Dry / Oil)	○	○
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range 25mm	●	●
Illumination	S-LED Illumination, Brightness Adjustable	●	●
	S-LED Illumination with Rechargeable Battery, Brightness Adjustable	○	○
	6V/20W Halogen Lamp, Brightness Adjustable	○	○
	Kohler Illumination	○	○
	ECO Function, automatically turn off after 15 mins of no use	○	○
	Plane-concave Mirror	○	○
Optional accessories	Phase Contrast Kit	○	○
	Polarizing Set	○	○
	FL-LED Epi-fluorescent Attachment		○
Package	1pc/carton, 36*26*46mm, gross weight: 8kg	●	●

Note: ● Standard Outfit, ○ Optional

Sample Image



Dimension



23. BS-2063 Biological Microscope



BS-2063B



BS-2063T

Introduction

BS-2063 series microscopes are high level microscopes which are specially designed for college education, medical and laboratory study. It adopts an Infinite optical system, beautiful structure and ergonomic design. With an innovative optical and structure design, excellent optical performance and easy to operate system, these biological microscopes make your works enjoyable.

Feature

1. Excellent infinite optical system with high resolution and perfect definition.
2. Wide field 10×/Φ22mm eyepiece, more comfortable for observation.
3. 100X water objective is available for convenient viewing.
4. Trinocular head with light distribution 100:0 (100% for eyepiece) and 80:20(80% for trinocular head and 20% for eyepiece).
5. Rackless stage is safer than traditional stage.



6. Various accessories for upgrading.

(1) Quintuple turret phase contrast unit with 10X/20X/40X/100X infinite plan phase contrast objective for phase contrast and bright field observation.



(2) N.A.0.9/0.13 Swing-out Condenser
 Dark field condenser (dry) available to 4X-40X Objective
 Dark field condenser (oil) available to 100X Objective



(3) Infinite Plan Objectives



(4) Mercury and LED fluorescent attachment with six-holes disk fluorescence unit, More fluorescence filters can be supplied.



BS-2063FT



BS-2063FT(LED)



(5) Simple polarizing unit with polarizer and analyzer.



Application

BS-2063 series microscopes are ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary institutes, such as hospitals, clinics, academic laboratories, colleges and universities.

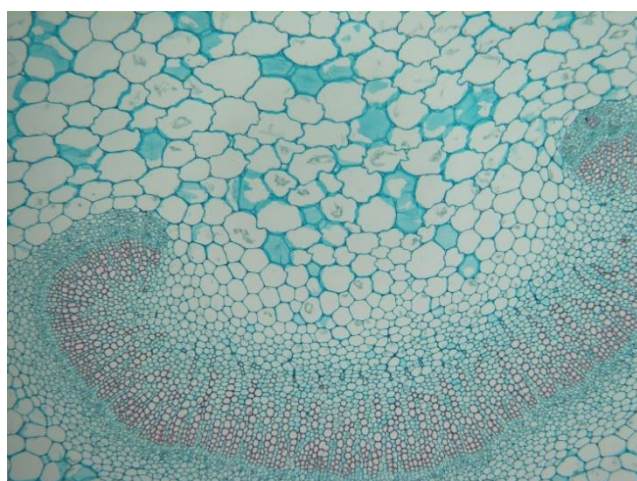
Specification

Item	Specification	BS-2063B	BS-2063T
Optical System	Color Corrected Infinite Optical System	●	●
Viewing Head	Seidentopf Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-76mm	●	
	Seidentopf Trinocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-76mm, Light distribution (both): 100:0 (100% for eyepiece) 80:20(80% for trinocular head and 20% for eyepiece)		●
Eyepiece	WF10×/22mm (Diopter adjustable), tube diameter: 30mm	●	●
	WF15×/16mm (Diopter adjustable)	○	○
	WF10×/22mm with 0.1mm eyepiece micrometer	○	○
Infinite Plan Achromatic Objective	4×/0.10, W.D.=12.10mm	●	●
	10×/0.25, W.D.=4.64mm	●	●
	20×/0.40(S), W.D.=2.41mm	●	●
	40×/0.65 (S), W.D.=0.65mm	●	●
	100×/1.25(S, Oil), W.D.=0.12mm	●	●
	2.5×/0.07 W.D.=8.47mm	○	○
	60×/0.80(S) W.D.=0.33mm	○	○
100×/1.15(S, Water) W.D.=0.19mm	○	○	
Nosepiece	Backward Quintuple Nosepiece	●	●

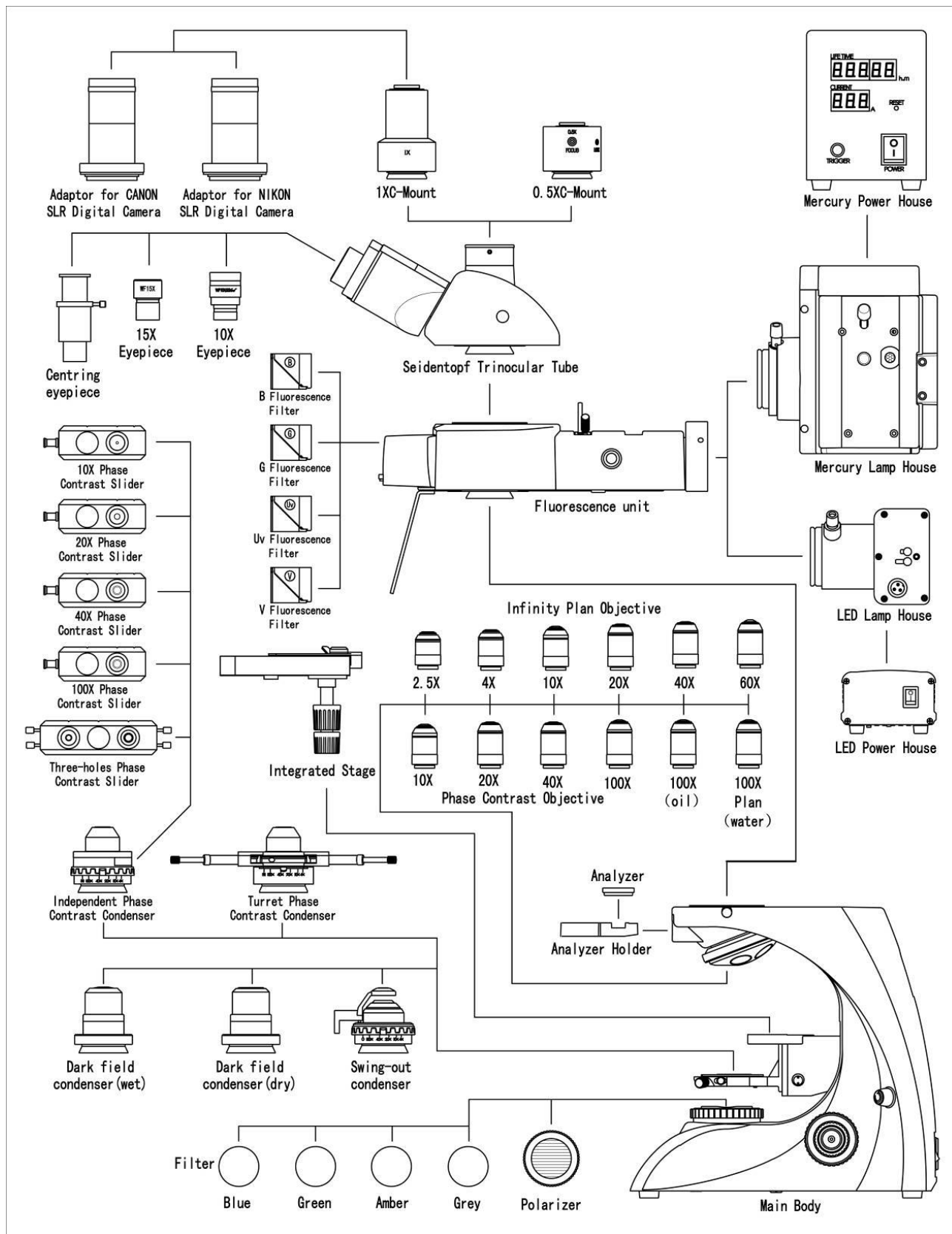
Stage	Rackless Double Layers Mechanical stage, Size: 182mm×140mm, Travel Range: 77mm×52mm, Scale: 0.1mm, Two Slide Holder	●	●
Condenser	Swing out condenser N.A.0.9/0.13, with iris diaphragm	●	●
Focusing	Coaxial Coarse and Fine Focusing Knob, Coarse Focusing Travel Range: 25mm, Coarse Stroke 42.4mm/rotation, Fine Stroke 0.2mm/Rotation, Fine division: 2μm	●	●
Koebler Illumination	6V/30W Halogen Lamp with Field Diaphragm, Brightness Adjustable	●	●
	3W LED Illumination with Field Diaphragm, Brightness Adjustable	○	○
Dark Field Unit	Dark field condenser (Dry), apply to 4×- 40× objective	○	○
	Dark Field Condenser (Oil), apply to 100× objective	○	○
Polarizing Unit	Analyzer and Polarizer	○	○
Phase Contrast Unit	Quintuple hole turret unit with 10×/20×/40×/100× phase contrast objective	○	○
	Independent slot with 10×/20×/40×/100× phase contrast objective	○	○
Fluorescent Attachment	100W Mercury Epi-Fluorescence unit (Six-hole disc, Uv/V/B/G and another filters)	○	○
	3W LED Epi-Fluorescence unit (Six-hole disc, Uv/V/B/G and another filters)	○	○
Video Adapter	1× C-mount (Used for DSLR cameras or large format microscope camera)		○
	0.5× C-mount (focus adjustable, used for microscope camera)		●
Photo Adapter	Used for CANON / NIKON / OLYMPUS/ SONY DLSR cameras		○
Filter	Blue	●	●
	Green/ Amber/Grey	○	○
Power Supply	Wide voltage input: 100V~240V	●	●
Packing	1 carton/set, Packing Size: 565mm × 310mm × 410mm, Gross Weight: 12 kgs, Net Weight: 10 kgs	●	●

Note: ●Standard Outfit, ○Optional

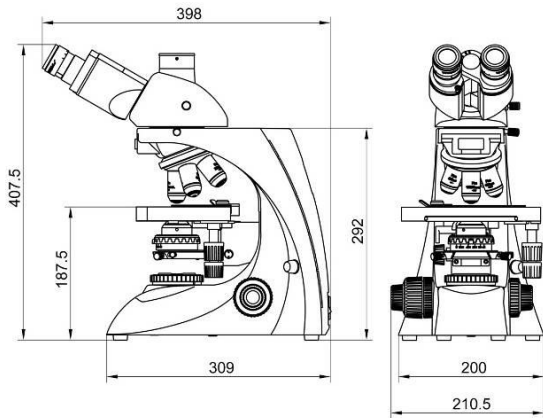
Sample Image



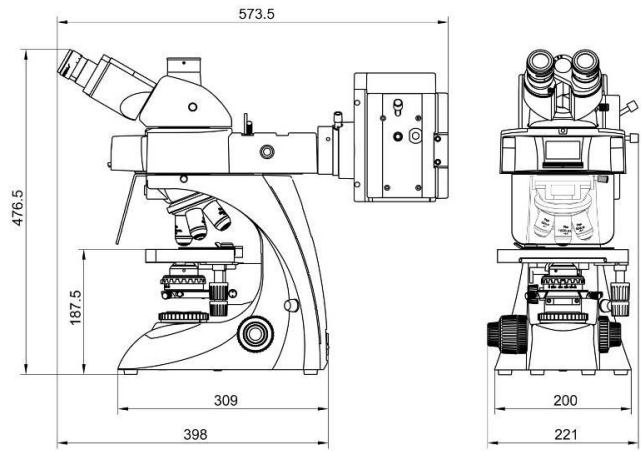
System Diagram



Dimension



BS-2063T Dimension



BS-2063FT Dimension

24. BS-2063F(LED) LED Fluorescence Microscope



BS-2063FT(LED)

Introduction

BS-2063F(LED) Series LED Fluorescence Microscope is specifically designed for the daily routine work in the demanding applications of education, pathology investigation, clinical and laboratory usage. Innovative LED as fluorescence illumination source, provide excellent image with easy and comfortable usage experience.

Feature

1. Six-holes disk fluorescence unit, More fluorescence filters can be supplied

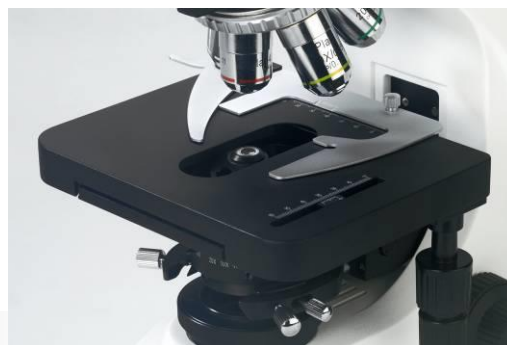


2. Reckless Wire Driven Mechanical Fixed Stage with focus lock is safer than traditional stage

3. Quintuple turret phase contrast unit with 10X/20X/40X/100X Infinite plan phase contrast objective for phase contrast and bright field observation.

4. Other accessories.

- N.A.0.9/0.13 Swing-out Condenser
- Dark field condenser (dry) available to 4X-60X Objective
- Dark field condenser (oil) available to 100X Objective
- Infinite Plan Objectives



Specification

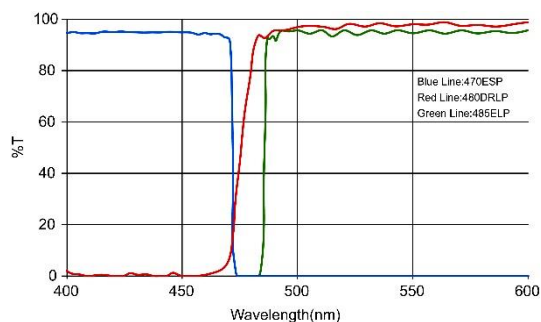
Item	Specification	BS-2063 FB(LED)	BS-2063 FT(LED)
Optical System	Color Corrected Infinite Optical System	●	●
Viewing Head	Seidentopf Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-76mm	●	
	Seidentopf Trinocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-76mm, Light distribution (both): 100:0 (100% for eyepiece) 80:20(80% for trinocular head and 20% for eyepiece)		●
Eyepiece	WF10×/22mm (Diopter adjustable), tube diameter: 30mm	●	●
	WF15×/16mm (Diopter adjustable)	○	○
	WF10×/22mm with 0.1mm eyepiece micrometer	○	○
Infinite Plan Achromatic Objective	4×/0.10, W.D.=12.10mm	●	●
	10×/0.25, W.D.=4.64mm	●	●
	20×/0.40(S), W.D.=2.41mm	●	●
	40×/0.65 (S), W.D.=0.65mm	●	●
	100×/1.25(S, Oil), W.D.=0.12mm	●	●

	2.5×/0.07 W.D.=8.47mm	○	○
	60×/0.80(S) W.D.=0.33mm	○	○
	100×/1.15(S, Water) W.D.=0.19mm	○	○
Nosepiece	Backward Quintuple Nosepiece	●	●
Stage	Rackless Double Layers Mechanical stage, Size: 182mm×140mm, Travel Range: 77mm×52mm, Scale: 0.1mm, Two Slide Holder	●	●
Condenser	Swing out condenser N.A.0.9/0.13, with iris diaphragm	●	●
Focusing	Coaxial Coarse and Fine Focusing Knob, Coarse Focusing Travel Range: 25mm, Coarse Stroke 42.4mm/rotation, Fine Stroke 0.2mm/Rotation, Fine division: 2μm	●	●
Koehler Illumination	6V/30W Halogen Lamp with Field Diaphragm, Brightness Adjustable	●	●
	3W LED Illumination with Field Diaphragm, Brightness Adjustable	○	○
Dark Field Unit	Dark field condenser (Dry), apply to 4×- 40× objective	○	○
	Dark Field Condenser (Oil), apply to 100× objective	○	○
Polarizing Unit	Analyzer and Polarizer	○	○
Phase Contrast Unit	Quintuple hole turret unit with 10×/20×/40×/100× phase contrast objective	○	○
	Independent slot with 10×/20×/40×/100× phase contrast objective	○	○
Fluorescent Attachment	100W Mercury Epi-Fluorescence unit (Six-hole disc, Auramine O/Uv/V/B/G and another filters)	○	○
	3W LED Epi-Fluorescence unit (Six-hole disc, B &G filters)	●	●
	Auramine O /U/V filters and corresponding fluorescence lamps	○	○
Video Adapter	1× C-mount (Used for DSLR cameras or large format microscope camera)		○
	0.5× C-mount (focus adjustable, used for microscope camera)		●
Photo Adapter	Used for CANON / NIKON / OLYMPUS/ SONY DLSR cameras		○
Filter	Blue	●	●
	Green/ Amber/Grey	○	○
Power Supply	Wide voltage input: 100V~240V	●	●
Packing	1 carton/set, Packing Size: 755mm×340mm×440mm, Gross Weight: 17 kgs, Net Weight: 15 kgs	●	●

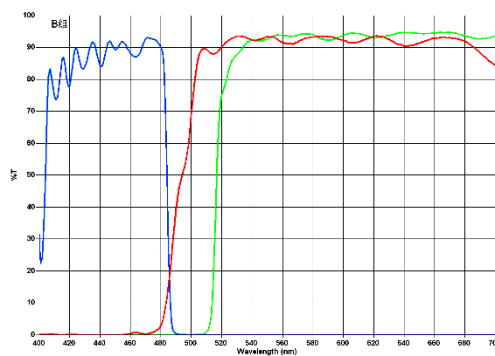
Note: "●" In Table Is Standard outfits, "○" Is Optional Accessories.

Fluorescent filters

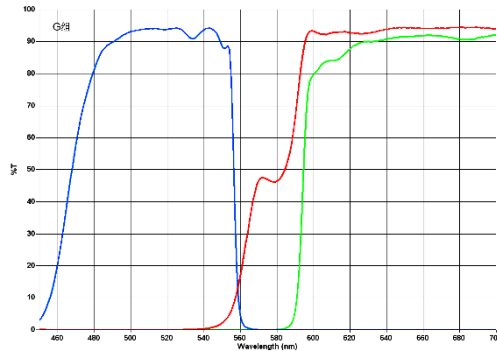
Auramine O	Wavelength (nm)
Exciter	470Sp
Dichroic Barrier	480DRLP
	485LP



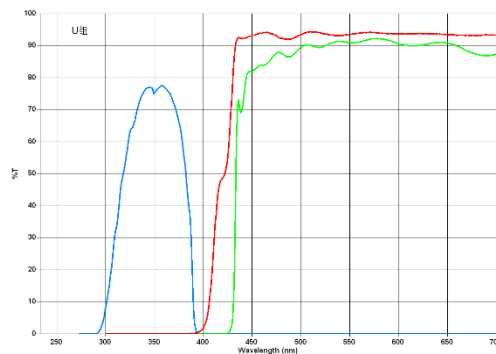
B Excitation Wavelength (nm)
 Exciter 470/37
 Dichroic 505LP
 Barrier 515LP



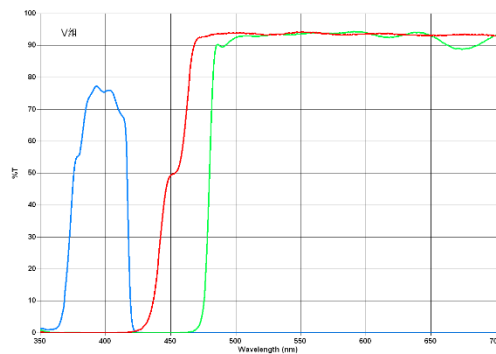
G Excitation Wavelength (nm)
 Exciter 500-550
 Dichroic 575
 Barrier 590



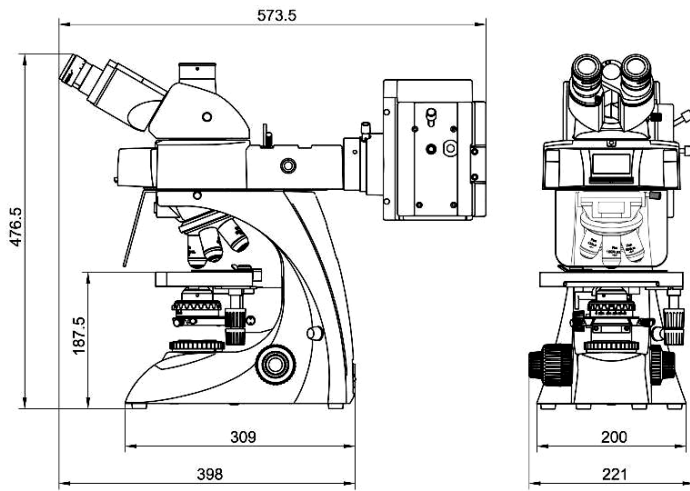
Uv Excitation Wavelength (nm)
 Exciter 330-380
 Dichroic 400
 Barrier 435



V Excitation Wavelength (nm)
 Exciter 380-420
 Dichroic 430
 Barrier 460

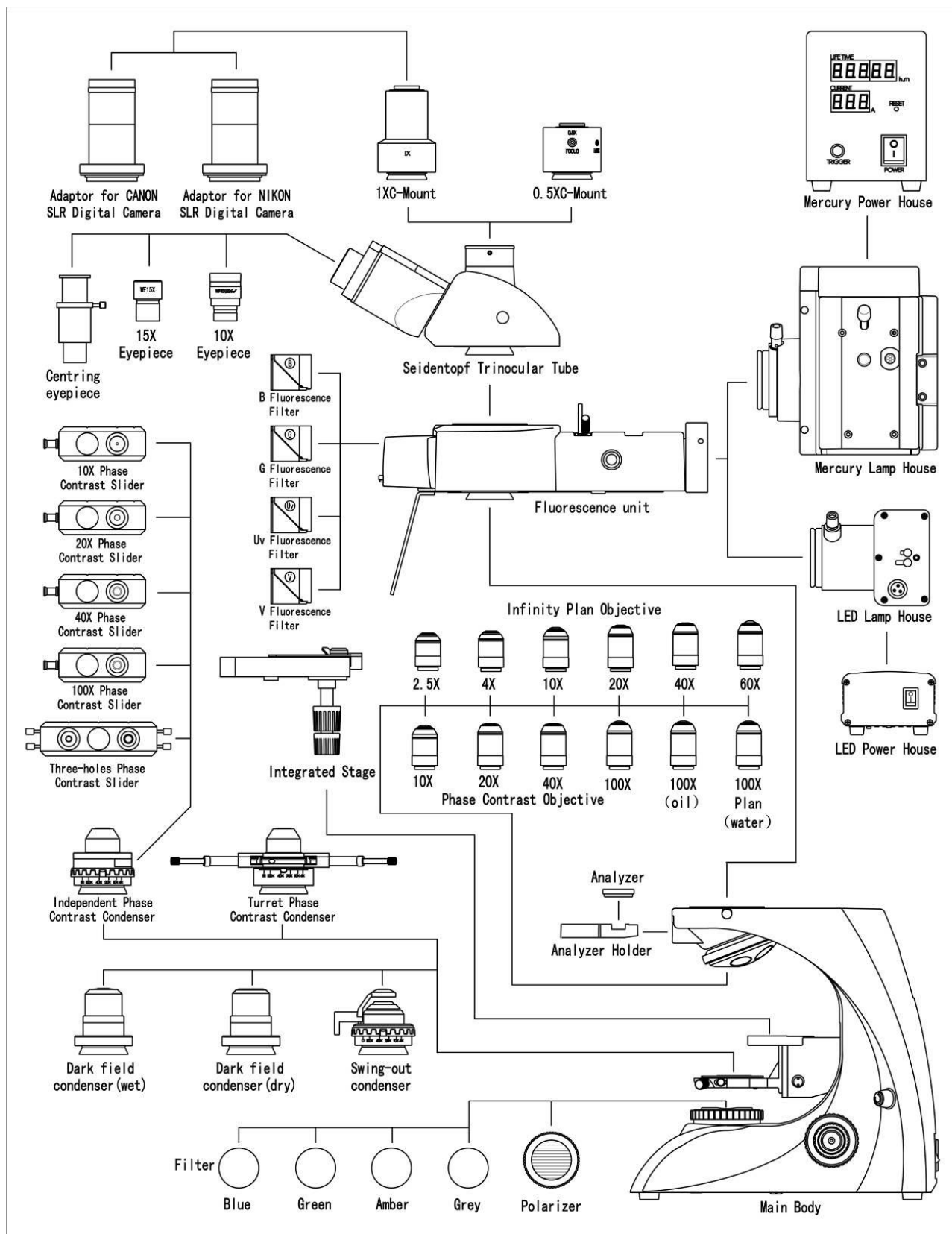


Dimension



Unit: mm

Layout Diagram



25. BS-2063F(LED, TB) LED Fluorescence Microscope



BS-2063FT(LED, TB)

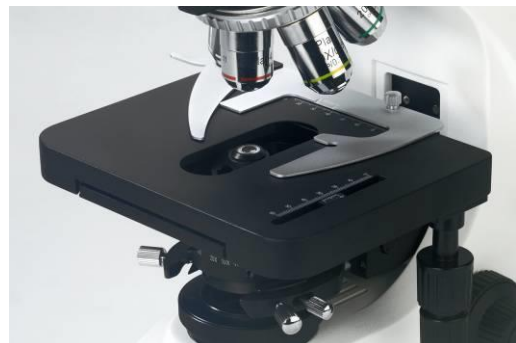
Introduction

BS-2063F(LED, TB) Series LED Fluorescence Microscope is a professional solution for tuberculosis test applications with LED fluorescence excitation and transmitted-light brightfield illumination.

If you want to analyze tuberculosis with Ziehl-Neelsen-Staining or if you like to use fluorescence excitation, e.g. with Auramine O dye. BS-2063F(LED,TB) can simply switch between the two modes.

Feature

1. Reckless Wire Driven Mechanical Fixed Stage with focus lock is safer than traditional stage



2. Quintuple turret phase contrast unit with 10X/20X/40X/100X Infinite plan phase contrast objective for phase contrast and bright field observation.



3. Other accessories.

- N.A.0.9/1.25 Swing-out Condenser
- Dark field condenser (dry) available to 4X-60X Objective
- Dark field condenser (oil) available to 100X Objective

Infinite Plan Objectives



Application

BS-2063F(LED,TB) Series LED Fluorescence Microscope is specifically designed for the daily routine work of education, pathology diagnosis, hospital, clinical and laboratory examinations and research.

Specification

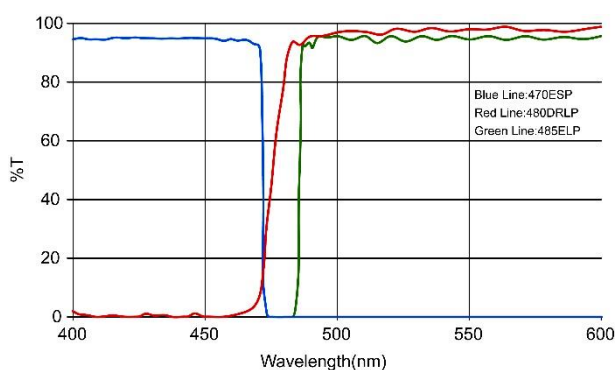
Item	Specification	BS-2063FB (LED,TB)	BS-2063FT (LED,TB)
Optical System	Color Corrected Infinite Optical System	●	●
Viewing Head	Seidentopf Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-76mm	●	
	Seidentopf Trinocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-76mm, Light distribution (both): 100:0 (100% for eyepiece) 80:20(80% for trinocular head and 20% for eyepiece)		●
Eyepiece	WF10×/22mm (Diopter adjustable), tube diameter: 30mm	●	●
	WF15×/16mm (Diopter adjustable)	○	○
	WF10×/22mm with 0.1mm eyepiece micrometer	○	○
Infinite Plan Achromatic Objective (without coverslips)	4×/0.10, W.D.=12.10mm	○	○
	10×/0.25, W.D.=4.64mm	●	●
	20×/0.40(S), W.D.=2.41mm	○	○
	40×/0.65 (S), W.D.=0.65mm	●	●
	60×/0.90(S) W.D.=0.33mm	●	●
	100×/1.25(S, Oil), W.D.=0.12mm	●	●
Nosepiece	Backward Quintuple Nosepiece	●	●
Stage	Rackless Double Layers Mechanical stage, Size: 182mm×140mm, Travel Range: 77mm×52mm, Scale: 0.1mm, Two Slide Holder	●	●

Condenser	Swing out condenser N.A.0.9/1.25, with iris diaphragm	●	●
Focusing	Coaxial Coarse and Fine Focusing Knob, Coarse Focusing Travel Range: 25mm, Coarse Stroke 42.4mm/rotation, Fine Stroke 0.2mm/Rotation, Fine division: 2μm	●	●
Koehler Illumination	3W LED Lamp, lifetime 20000 hours, brightness adjustable Field diaphragm, center adjustable Rechargeable battery pack (6V DC), 24 hrs working time	●	●
Dark Field Unit	Dark field condenser (Dry), apply to 4x- 40x objective	○	○
	Dark Field Condenser (Oil), apply to 100x objective	○	○
Polarizing Unit	Analyzer and Polarizer	○	○
Phase Contrast Unit	Quintuple hole turret unit with 10x/20x/40x/100x phase contrast objective	○	○
Fluorescent Attachment	LED Epi-Fluorescent unit (Six-hole disc, Auramine O fluorescent filter (Chroma brand, mainly used for Tuberculosis examination)) 3W LED fluorescent lamp Rechargeable battery pack (6V DC) ,24 hrs working time	●	●
	100W Mercury lamp Epi-Fluorescence unit (Six-hole disc, Auramine O/Uv/V/B/G and other filters)	○	○
Video Adapter	1x C-mount (Used for DSLR cameras or large format microscope camera)		○
	0.5x C-mount (focus adjustable, used for microscope camera)		●
Photo Adapter	Used for CANON / NIKON / OLYMPUS/ SONY DLSR cameras		○
Filter	Blue	●	●
	Green/ Amber/Grey	○	○
Power Supply	Wide voltage input: 100V-240V	●	●
Packing	1 carton/set, Packing Size: 755mm×340mm×440mm, Gross Weight: 17 kgs, Net Weight: 15 kgs	●	●

Note: "●"In Table Is Standard outfits, "○" Is Optional Accessories.

Fluorescent filters

Auramine O	Wavelength (nm)
Exciter	470Sp
Dichroic	480DRLP
Barrier	485LP



26. BS-2070 Biological Microscope



BS-2070B



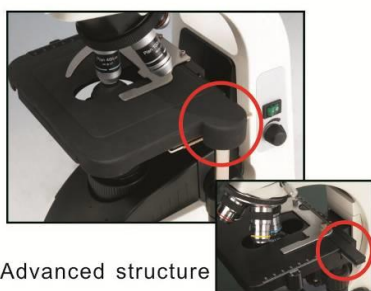
BS-2070T

Introduction

BS-2070 series microscopes are high level microscopes which are specially designed for college education, medical and laboratory research. With an innovative optical and structure design idea, excellent optical performance and easy to operate system, these biological microscopes make your works enjoyable.

Feature

1. Excellent image quality with infinite optical system.
2. Comfortable operating with ergonomic design.
3. Perfect illumination with sliding-in centerable condenser, easy to replace phase contrast and dark field condenser.
4. Advanced design of mechanical stage structure prevents the scratches of users.



Traditional structure

Application

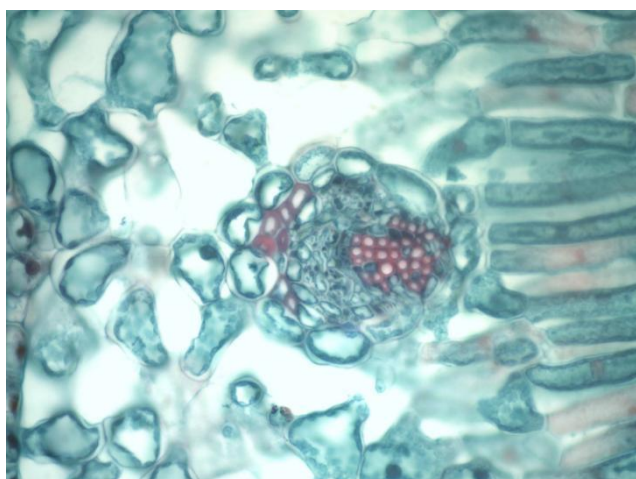
BS-2070 series microscopes are ideal instruments in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

Specification

Item	Specification	BS-2070B	BS-2070T
Optical System	Infinite Optical System	●	●
Viewing Head	Seidentopf Binocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm	●	
	Seidentopf Trinocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm		●
Eyepiece	WF10×/20mm	●	●
	WF15×/16mm	○	○
Objective	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100×	●	●
	Infinite Plan Achromatic Objective 20×, 60×	○	○
Nosepiece	Backward Quadruple Nosepiece	●	●
	Backward Quintuple Nosepiece	○	○
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 22mm	●	●
Stage	Rackless stage, Size 230×150mm, Cross Travel 78×54mm, Low-positioned X/Y Coaxial Control Knob, Can hold two slides	●	●
Condenser	Abbe Condenser NA1.25 with Aperture Diaphragm	●	●
Illumination	12V/20W Halogen Lamp, Brightness Adjustable	●	●
	1W S-LED illumination, Brightness Adjustable	○	○
Optional	Photo Attachment, Video Attachment, Polarization Set, Phase Contrast Kit, Kohler Illumination	○	○
Package	1pc/carton, 38cm*26cm*51cm, 9kg	●	●

Note: ●Standard Outfit, ○Optional

Sample Image



27. BS-2070F(LED) Fluorescent Biological Microscope



BS-2070FB(LED)



BS-2070FT(LED)

Introduction

BS-2070F(LED) Series LED fluorescence microscopes are newly developed microscopes, the microscopes use LED as the fluorescent light source, the life span of the LED lamp is much longer than mercury lamp, the performance is also better.

Feature

1. Excellent fluorescent image with infinite optical system.
2. LED illumination with 50,000 hours life span.
3. No need for cooling system and protection device due to LED cold light source.
4. 465-476nm excited wavelength with high SNR.
5. Convenient to use, no need warm-up.
6. More fluorescent filters are available for different applications.

Application

BS-2070F(LED) LED Fluorescence microscopes are used to study the absorbing, transportation, chemicals distribution and positioning in cells. They can be used in disease examination, immune diagnosis and life science areas.

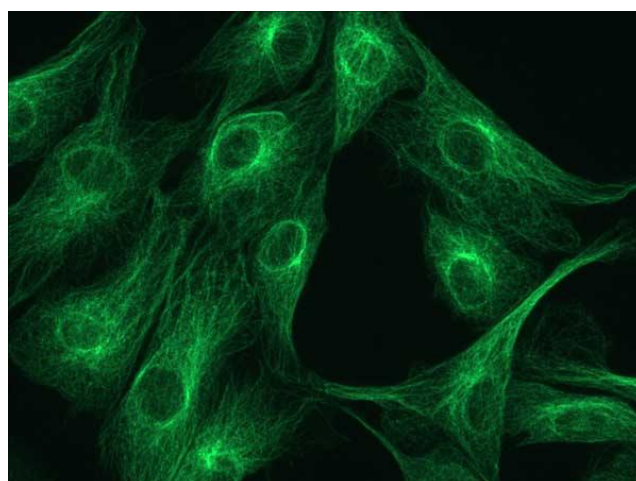
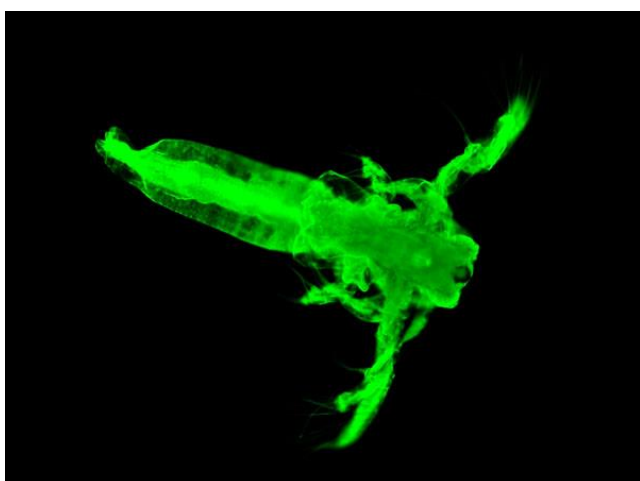
Specification

Item	Specification	BS-2070 FB(LED)	BS-2070 FT(LED)
Optical System	Infinite Optical System	•	•
Viewing Head	Seidentopf Binocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm	•	

	Seidentopf Trinocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm					●
Eyepiece	WF10×/20mm				●	●
	WF15×/16mm				○	○
Objective	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100×				●	●
	Infinite Plan Achromatic Objective 20×, 60×				○	○
Nosepiece	Backward Quadruple Nosepiece				●	●
	Backward Quintuple Nosepiece				○	○
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 22mm				●	●
Stage	Rectangular 230×150mm, Cross Travel 78×54mm, Using Low-positioned X/ Y Coaxial Control Knob, Can Hold Two Sides				●	●
Condenser	Abbe Condenser NA1.25 with Aperture Diaphragm				●	●
Illumination	12V/20W Halogen Lamp, Brightness Adjustable				●	●
	1W S-LED illumination, brightness adjustable				○	○
Optional Accessories	Photo attachment, Video attachment, Polarization set, Phase contrast kit, Kohler Illumination				○	○
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter		
	Blue excitation	BP460~490	DM505	BA515	●	●
	Green excitation	BP510~550	DM570	BA590	●	●
Lamp	3W LED Lamp(465-476nm)				●	●
	3W LED Lamp(525-530nm)				●	●
Immersion Oil	Fluorescent Free Oil				●	●
Package	2cartons/set, 38cm*26cm*51cm, 9kg; 44cm*38cm*17cm, 3kg				●	●

Note: ●Standard Outfit, ○Optional

Sample Image



28. BS-2073 Biological Microscope



BS-2073B

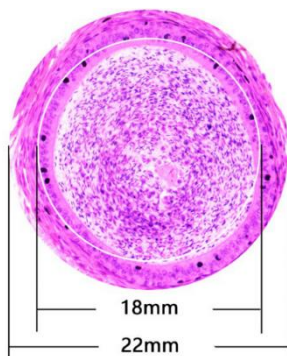
Introduction

BS-2073 series microscopes are high level microscopes which are specially designed for college education, medical and laboratory research. With excellent optical quality, large field of view, excellent objective lens performance, clear and reliable imaging. Ergonomically designed to provide better comfort and experience, focus on the user's operating habits, and constantly optimize the details. The modular design allows for various viewing modes such as brightfield, darkfield, phase contrast, fluorescence, and simple polarizing. The intelligent design makes the microscope teaching more flexible and the teaching effect is better. Low maintenance costs and environmentally friendly.

Features

1. Excellent Optical Design.

- (1) NIS infinite Optical System. NIS infinite plan objectives can provide high contrast and very flat image up to FN22mm, the system always brings you sharp, high resolution and high signal to noise ratio imaging.
- (2) 22mm Wide Field of View. The microscopes achieve the wide field of 22mm view with 10× eyepieces. The eyepiece adopts a flat field distortion-free design to prevent the edge of the field from being imaginary and stray light.



(3) Various Observation methods. Besides bright field observation, dark field, phase contrast, fluorescent and simple polarizing observation methods are optional.

Observation Methods	Bright Field	Dark Field	Phase Contrast	Fluorescent	Simple Polarizing
	●	●	●	●	●

(4) Multifunctional Universal Condenser. BS-2073 series microscopes adopt a universal condenser for bright field, dark field and phase contrast. The observation methods could be quickly switched by changing the dark field and phase contrast slider. The phase contrast and bright field slider is universal for 4x-100x objectives, simple and fast to use. The aperture diaphragm of the condenser is easily set to get exact value of diaphragm to correspond with different objectives.



(5) LED EPI-Fluorescent Illumination. The LED EPI-Fluorescent Illumination is safe and convenient. There is no need to warm up or cool down, and also no need to align the bulb. The life time of LED bulb is up to 5000 hours. There are two filters position available and switch is fast and easy.



2. Infinite Plan Objectives.

The BS-2073 series microscopes have been fully optimized for various of microscopic applications, especially for beginners and the users with long time operation. The objectives provide high quality images and are easy to use.



(1) Plan Objective. With infinite plan objective, clear and flat image is over the entire field of view, image

reproduction is better.

(2) 100× Water-immersion Objective. Ordinary 100× oil-immersion objective needs to use cedar oil as the observation medium. After use, it needs to be cleaned with ether alcohol or xylene, which is easy to cause air pollution and improper cleaning. The water-immersion objective uses water as the medium, it is easy to clean, it also reduces the damage to the user's health and environmental pollution.

(3) 40× LWD Objective. The working distance of 40× objective can be up to 1.5mm, avoiding the contamination from residual immersion oil or water when converted from 100× to 40× objective.

3. This is an unbounded microscope.

Multifunctional digital head is optional, the user does not have to be confined in front of the microscope. Instead, it can be used for mobile microscope teaching and outdoor field observation through mobile terminals and external mobile power. The objective, eyepiece and observation tube have been effectively anti-mold treated, so it can ensure a consistently clear image and extend the life of the microscope, even when working in hot and humid environments.

(1) Multifunctional Digital Head. The built-in camera, supporting Android, IOS, Windows operating system, wired and Wifi modes. Images can be output to the external device in real time, there is no data cable connection, the operator can move more freely.

(2) Professional microscopic imaging software. Microscopic imaging observation, analysis and processing can be performed on external devices, including photographing, measurement, image adjustment, storage, synthesis, etc.

(3) Perform image preview and processing by scanning with Mobile devices. By scanning the QR code on the microscope, installing the APP and identifying the microscope, you can view the microscopic image on your phone and tablet.



(4) External rechargeable battery can be used as the power source. A USB charging port is reserved on the back of the microscope, external rechargeable portable battery can be connected to this port and used as power source of the microscope. So this microscope can be used outdoor or during power outages.



4. Easier to store and transport.

The microscope is compact and can be placed in an ordinary classroom closet. It has a special carrying handle, and it is also light

weight and stable. There is a cord rest on back of the microscope to store the long power cord, improve the cleanliness of the laboratory and reduce the tripping accident which may be caused by the long power cord during the carrying process. The wooden storage box is optional, it is very convenient for storage and carrying.



5. Ergonomic Design.

In daily scientific research teaching and pathological diagnosis, working in front of the microscope for a long time has become normal, this always leads to fatigue and physical discomfort, thereby reducing work efficiency. BS-2073 series microscopes have adopted high eye-point, low-hand focus mechanism, low-hand stage and other ergonomic designs to ensure the user can perform microscope operation in the most comfortable situation. The focus knob, illumination control knob and stage handle are all proximal. The user can put both hands on the table while working, and can operate the microscope with minimal movement.



Application

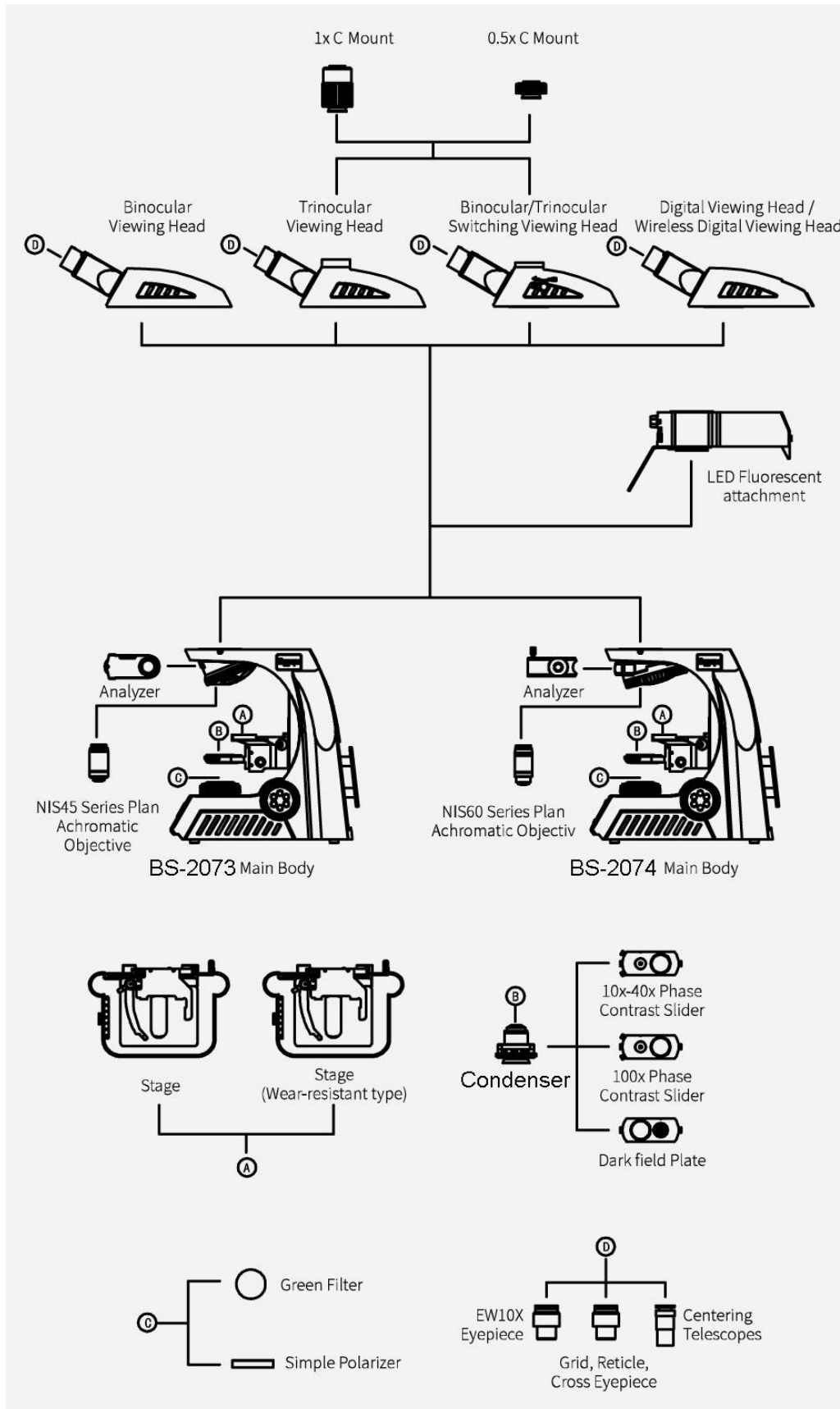
BS-2073 series microscopes are ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

Specification

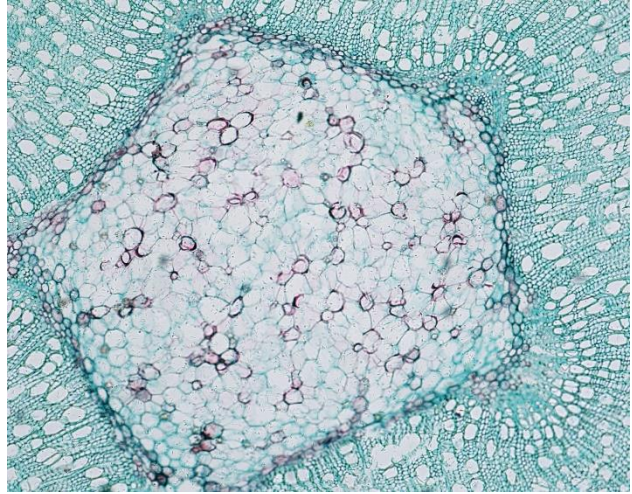
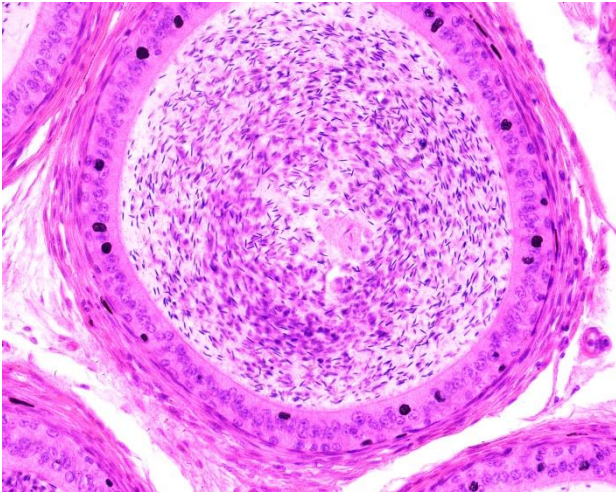
Item	Specification	BS-2073B	BS-2073T
Optical System	Infinite Optical System	●	●
Eyepiece	Extra Wide Field Eyepiece EW10×/22mm	●	●
	Wide Field Eyepiece WF15×/16	○	○
	Wide Field Eyepiece WF20×/12	○	○
Viewing Head	Seidentopf Binocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 47-78mm, Anti-Fungus, Tube Diameter 30mm	●	
	Seidentopf Trinocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 47-78mm, Splitting ratio 5:5, Anti-Fungus, Tube Diameter 30mm		●
	Seidentopf Binocular Viewing Head with Built-in 5.0MP Digital Camera, HDMI and Wifi output interface, Inclined at 30°, 360° Rotatable, Interpupillary 47-78mm, Anti-Fungus, Tube Diameter 30mm	○	○
Objective	NIS45 Infinite Plan Achromatic Objective 4× (N.A.:0.10, W.D.:20.6mm)	●	●
	NIS45 Infinite Plan Achromatic Objective 10× (N.A.:0.25, W.D.:18.0mm),	●	●
	NIS45 Infinite Plan Achromatic Objective 40× (N.A.:0.65, W.D.:1.5mm),	●	●
	NIS45 Infinite Plan Achromatic Objective 100× (Oil, N.A.:1.25, W.D.:0.3mm)	●	●
	NIS45 Infinite Plan Achromatic Objective 20× (N.A.:0.40, W.D.:6.4mm)	○	○
	NIS45 Infinite Plan Achromatic Objective 60× (N.A.:0.80, W.D.:0.3mm)	○	○
	NIS45 Infinite Plan Phase Contrast Achromatic Objective 10×, 20×, 40×, 100×	○	○
Nosepiece	Backward Quintuple Nosepiece	●	●
Stage	Rackless stage, Size 230×150mm, Moving Range 78×54mm	●	●
Condenser	Inserted Abbe Condenser NA1.25(Including Empty Plate)	●	●
	Bright Field-Phase Contrast Plate (4x-100x Universal)	○	○
	Bright Field-Dark Field Plate	○	○
Focusing	Coaxial coarse and fine adjustment, Coarse stroke 37.7mm per rotation, Fine stroke 0.2mm per rotation, Fine division 0.002mm, Moving range 30mm	●	●
Illumination	1W LED illumination, Brightness Adjustable	●	●
Fluorescent Attachment	3W LED, Two Filter Cubes (B, B1, G, U, V, R, Auramine O can be combined), Fly-eye Lens Illumination	○	○
Other Accessories	1× C-mount adapter	○	○
	0.5× C-mount adapter	○	○
	Simple Polarization Set	○	○
	Digital Camera	○	○
Filter	Green	●	●
	Blue, Yellow, Red	○	○
Package	1pc/carton, Carton size: 48cm*33cm*60cm, Net/Gross Weight: 10.5kg/12.5kg	●	●

Note: ●Standard Outfit, ○Optional

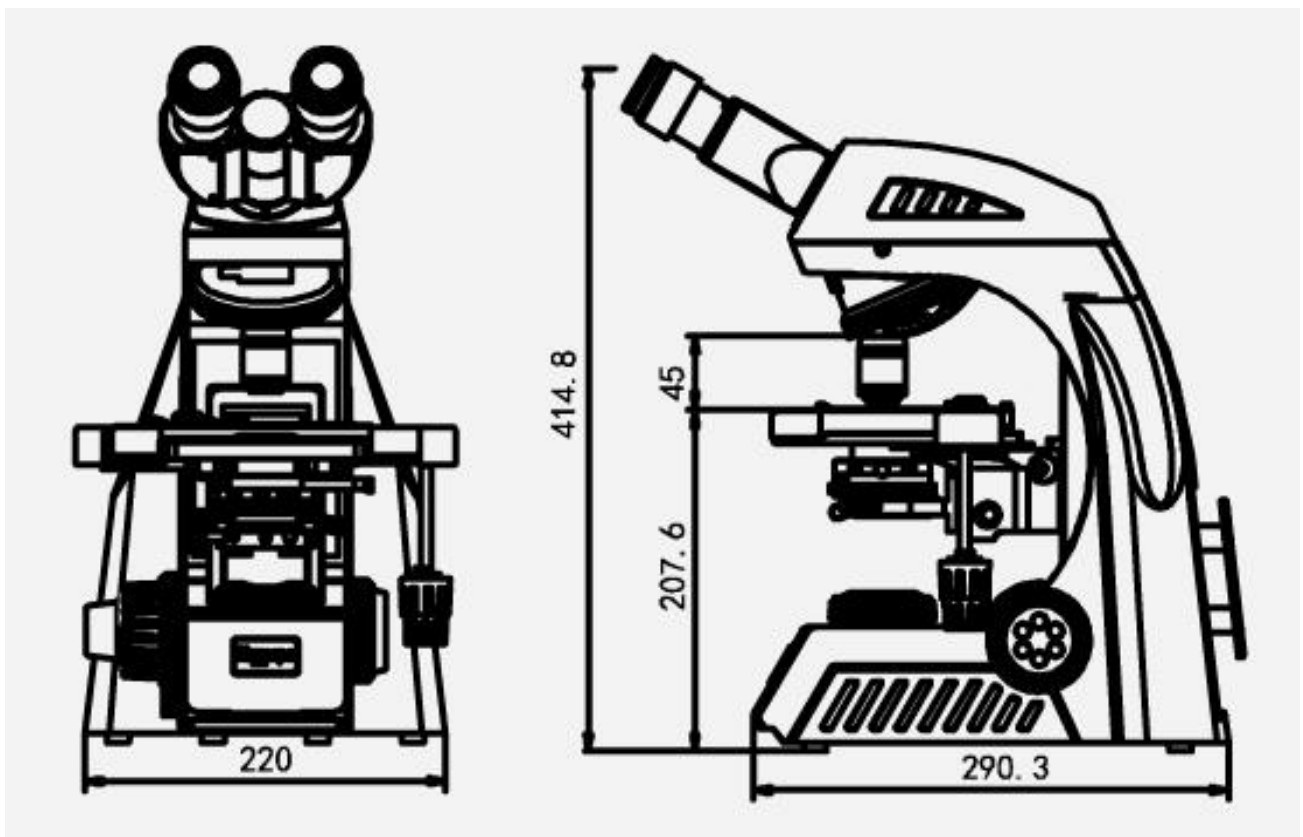
System Diagram



Sample Image



Dimension



Unit:mm

29. BS-2074 Biological Microscope



BS-2074B



BS-2074FB(LED)

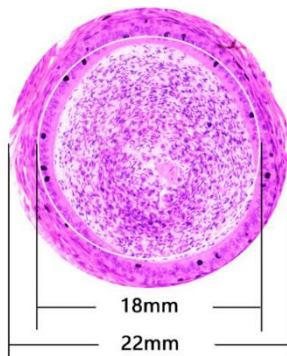
Introduction

BS-2074 series microscopes are high level microscopes which are specially designed for college education, medical and laboratory research. With excellent optical quality, large field of view, excellent objective lens performance, clear and reliable imaging. Ergonomically designed to provide better comfort and experience, focus on the user's operating habits, and constantly optimize the details. The modular design allows for various viewing modes such as brightfield, darkfield, phase contrast, fluorescence and simple polarizing. The intelligent design makes the microscope teaching more flexible and the teaching effect is better. Low maintenance costs and environmentally friendly.

Features

1. Excellent Optical Design.

- (1) NIS infinite Optical System. NIS infinite plan objectives can provide high contrast and very flat image up to FN22mm, the system always brings you sharp, high resolution and high signal to noise ratio imaging.
- (2) 22mm Wide Field of View. The microscopes achieve the wide field of 22mm view with 10× eyepieces. The eyepiece adopts a flat field distortion-free design to prevent the edge of the field from being imaginary and stray light.



(3) Various Observation methods. Besides bright field observation, dark field, phase contrast, fluorescent and simple polarizing observation methods are optional.

Observation Methods	Bright Field	Dark Field	Phase Contrast	Fluorescent	Simple Polarizing
	●	●	●	●	●

(4) Multifunctional Universal Condenser. BS-2074 series microscopes adopt a universal condenser for bright field, dark field and phase contrast. The observation methods could be quickly switched by changing the dark field and phase contrast slider. The phase contrast and bright field slider is universal for 4x-100x objectives, simple and fast to use. The aperture diaphragm of the condenser is easily set to get exact value of diaphragm to correspond with different objectives.

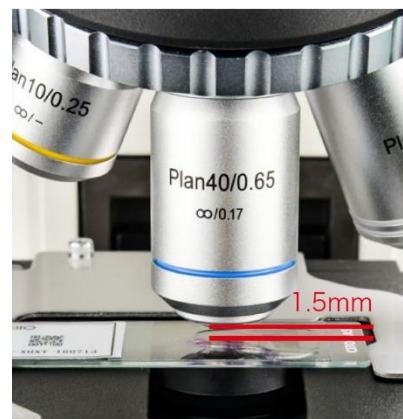


(5) LED EPI-Fluorescent Illumination. The LED EPI-Fluorescent Illumination is safe and convenient. There is no need to warm up or cool down, and also no need to align the bulb. The life time of LED bulb is up to 5000 hours. There are two filters position available and switch is fast and easy.



2. Infinite Plan Objectives.

The BS-2074 series microscopes have been fully optimized for various of microscopic applications, especially for beginners and the users with long time operation. The objectives provide high quality images and are easy to use.



- (1) Plan Objective. With infinite plan objective, clear and flat image is over the entire field of view, image reproduction is better.
- (2) 100× Water-immersion Objective. Ordinary 100× oil-immersion objective needs to use cedar oil as the observation medium. After use, it needs to be cleaned with ether alcohol or xylene, which is easy to cause air pollution and improper cleaning. The water-immersion objective uses water as the medium, it is easy to clean, it also reduces the damage to the user's health and environmental pollution.
- (3) 40× LWD Objective. The working distance of 40× objective can be up to 1.5mm, avoiding the contamination from residual immersion oil or water when converted from 100× to 40× objective.

3. This is an unbounded microscope.

Multifunctional digital head is optional, the user does not have to be confined in front of the microscope. Instead, it can be used for mobile microscope teaching and outdoor field observation through mobile terminals and external mobile power. The objective, eyepiece and observation tube have been effectively anti-mold treated, so it can ensure a consistently clear image and extend the life of the microscope, even when working in hot and humid environments.

(1) Multifunctional Digital Head. The built-in camera, supporting Android, IOS, Windows operating system, wired and Wifi modes. Images can be output to the external device in real time, there is no data cable connection, the operator can move more freely.



(2) Professional microscopic imaging software. Microscopic imaging observation, analysis and processing can be performed on external devices, including photographing, measurement, image adjustment, storage, synthesis, etc.

(3) Perform image preview and processing by scanning with Mobile devices. By scanning the QR code on the microscope, installing the APP and identifying the microscope, you can view the microscopic image on your phone and tablet.



(4) External rechargeable battery can be used as the power source. A USB charging port is reserved on the back of the microscope, external rechargeable portable battery can be connected to this port and used as power source of the microscope. So this microscope can be used outdoor or during power outages.



4. Intelligent operating system.

(1) Coded Nosepiece.

The BS-2074 series microscope can memorize the illumination brightness when using each objective. When the objective has been changed, the light intensity will be automatically adjusted to reduce visual fatigue and improve work efficiency.



(2) Use a dimming knob to achieve multiple functions.

One Click: Enter standby status

Double Clicks: Light lock or unlock

Rotation: Adjust brightness

Press + Up-spin: Switch to the upper light source

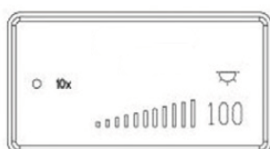
Press + Down-spin: Switch to the under light source

Press 3 seconds: Set the time of turning off the light after leaving



(3) The display of microscope working status.

The LCD on the front of the microscope can display the working status of the microscope, including magnification, light intensity, sleepy model and so on.



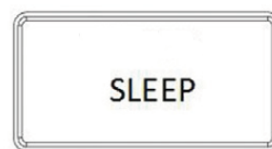
Start & working mode



Lock mode



ECO mode



Sleep mode

5. Easier to store and transport.

The microscope is compact and can be placed in an ordinary classroom closet. It has a special carrying handle, and it is also light weight and stable. There is a cord rest on back of the microscope to store the long power cord, improve the cleanliness of the laboratory and reduce the tripping accident which may be caused by the long power cord during the carrying process. The wooden storage box is optional, it is very convenient for storage and carrying.



6. Ergonomic Design.

In daily scientific research teaching and pathological diagnosis, working in front of the microscope for a long time has become normal, this always leads to fatigue and physical discomfort, thereby reducing work efficiency. BS-2074 series microscopes have adopted high eye-point, low-hand focus mechanism, low-hand stage and other ergonomic designs to ensure the user can perform microscope operation in the most comfortable situation. The focus knob, illumination control knob and stage handle are all proximal. The user can put both hands on the table while working, and can operate the microscope with minimal movement.



Application

BS-2074 series microscopes are ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

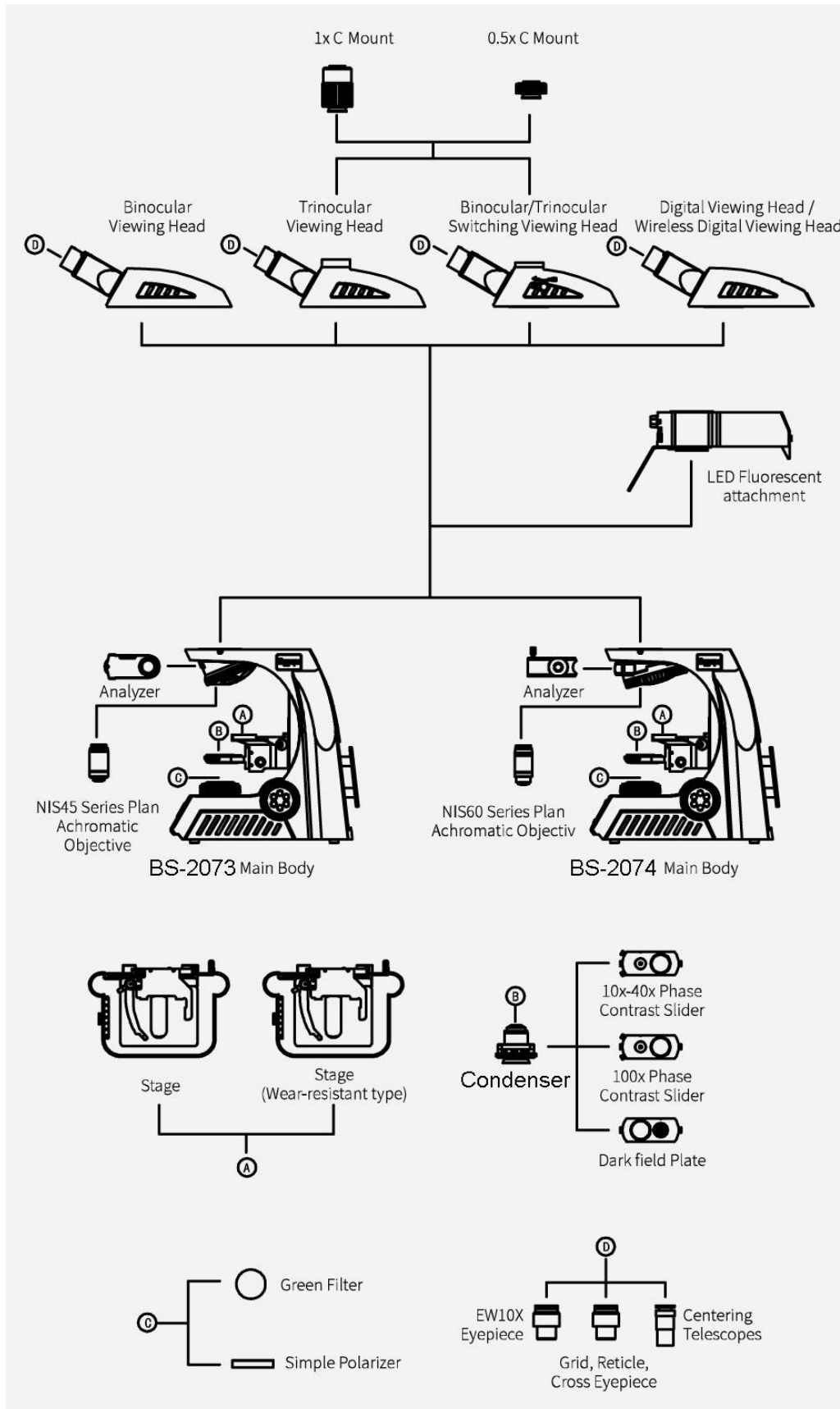
Specification

Item	Specification	BS-2074B	BS-2074T
Optical System	Infinite Optical System	●	●
Eyepiece	Extra Wide Field Eyepiece EW10×/22mm	●	●
	Wide Field Eyepiece WF15×/16mm	○	○

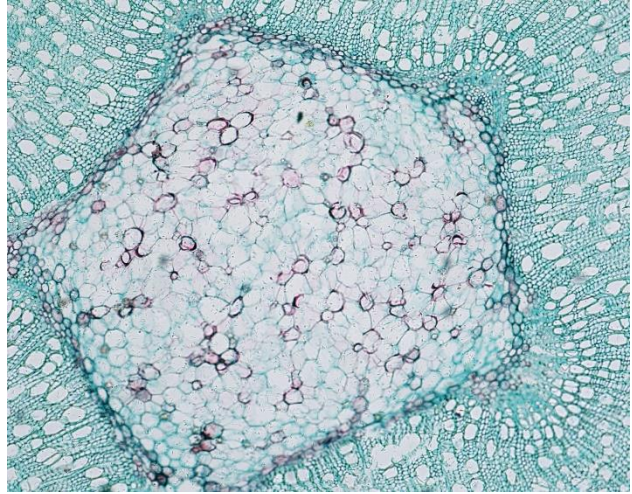
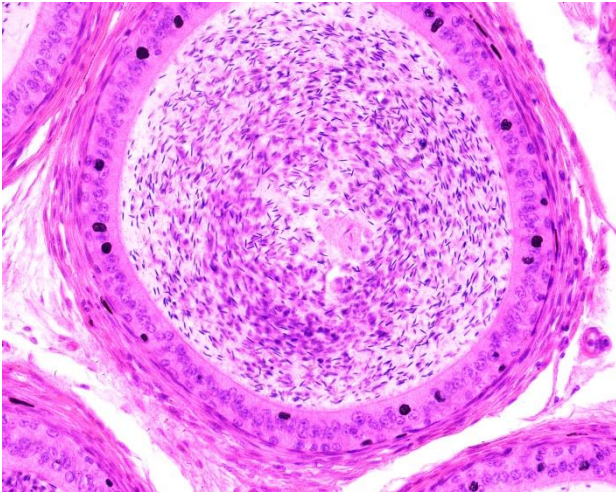
	Wide Field Eyepiece WF20x/12mm	○	○
Viewing Head	Seidentopf Binocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 47-78mm, Anti-Fungus, Tube Diameter 30mm	●	
	Seidentopf Trinocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 47-78mm, Splitting ratio 5:5, Anti-Fungus, Tube Diameter 30mm		●
	Seidentopf Binocular Viewing Head with Built-in 5.0MP Digital Camera, HDMI and Wifi output interface, Inclined at 30°, 360° Rotatable, Interpupillary 47-78mm, Anti-Fungus, Tube Diameter 30mm	○	○
Objective	NIS60 Infinite Plan Achromatic Objective 4x (N.A.:0.10, W.D.:30mm)	●	●
	NIS60 Infinite Plan Achromatic Objective 10x (N.A.:0.25, W.D.:10.2mm)	●	●
	NIS60 Infinite Plan Achromatic Objective 40x (N.A.:0.65, W.D.:1.5mm)	●	●
	NIS60 Infinite Plan Achromatic Objective 100x (Water, N.A.:1.10, W.D.:0.2mm)	●	●
	NIS60 Infinite Plan Achromatic Objective 20x (N.A.:0.40, W.D.:4.0mm)	○	○
	NIS60 Infinite Plan Achromatic Objective 60x (N.A.:0.80, W.D.:0.3mm)	○	○
	NIS60 Infinite Plan Achromatic Objective 100x (Oil, N.A.:1.25, W.D.:0.3mm)	○	○
	NIS60 Infinite Plan Phase Contrast Achromatic Objective 10x, 20x, 40x, 100x	○	○
	NIS60 Infinite Plan Semi-APO Fluorescent Objectives 4x, 10x, 20x, 40x, 100x	○	○
Nosepiece	Backward Quintuple Nosepiece(Coding)	●	●
Stage	Rackless stage, Size 230×150mm, Moving Range 78×54mm	●	●
Condenser	Inserted Abbe Condenser NA1.25(Including Empty Plate)	●	●
	Bright Field-Phase Contrast Plate (4x-100x Universal)	○	○
	Bright Field-Dark Field Plate	○	○
Focusing	Coaxial coarse and fine adjustment, Coarse stroke 37.7mm per rotation, Fine stroke 0.2mm per rotation, Fine division 0.002mm, Moving range 30mm	●	●
Illumination	3W S-LED (LCD Display Magnification, Timing Sleep, Brightness Indication and Lock, etc.)	●	●
Fluorescent Attachment	3W LED, Two Filter Cubes (B, B1, G, U, V, R, Auramine O can be combined), Fly-eye Lens Illumination	○	○
Other Accessories	1× C-mount adapter	○	○
	0.5× C-mount adapter	○	○
	Simple Polarization Set	○	○
	Digital Camera	○	○
Filter	Green	●	●
	Blue, Yellow, Red	○	○
Package	1pc/carton, Carton size: 48cm*33cm*60cm, Net/Gross Weight: 10.5kg/12.5kg	●	●

Note: ●Standard Outfit, ○Optional

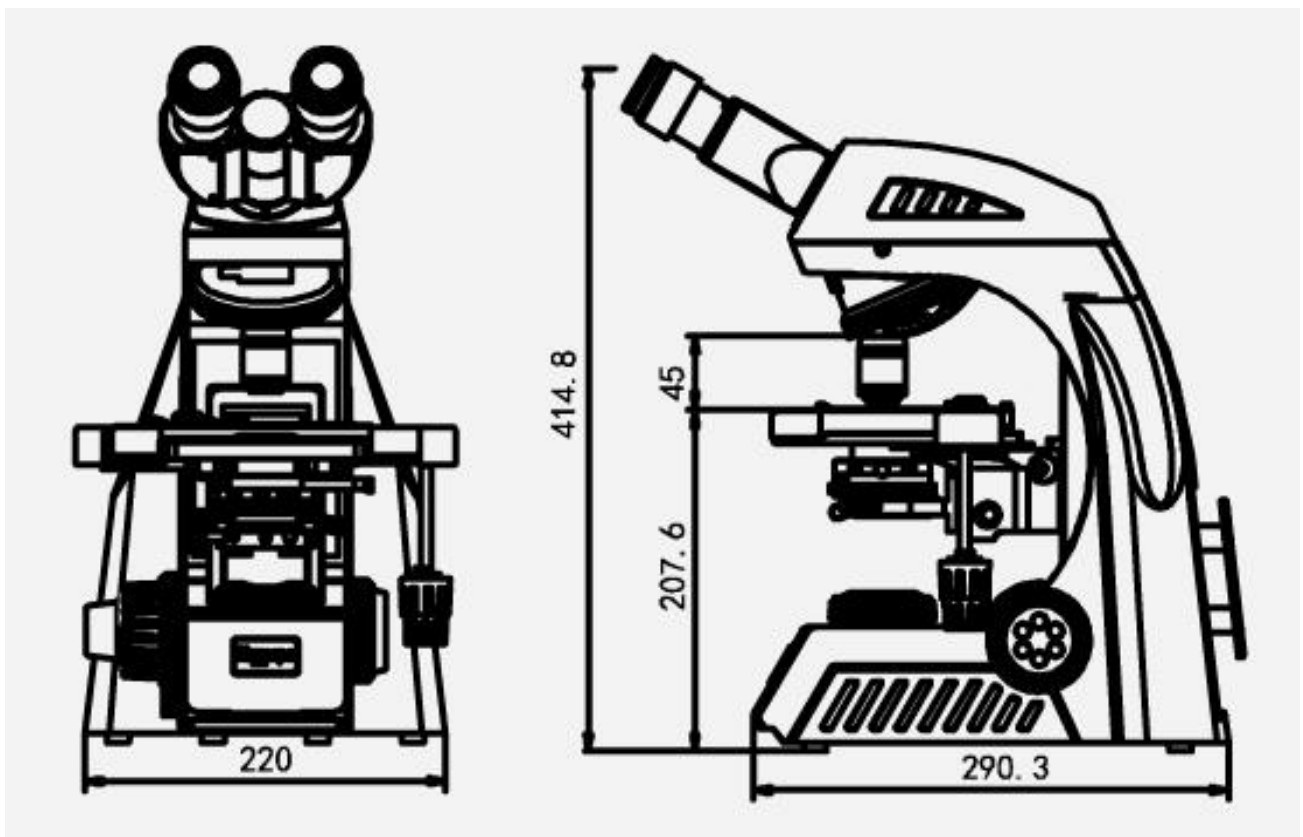
System Diagram



Sample Image



Dimension



Unit:mm

30. BS-2080 Laboratory Biological Microscope



Introduction

BS-2080 Laboratory Biological Microscope is a high level microscope which is specially designed for laboratory research. It adopts an Infinite optical system, reasonable structure and ergonomic design. With an innovative optical and structure design idea, excellent optical performance and easy to operate system, this laboratory biological microscope makes your laboratory works enjoyable.

Feature

1. With Infinite Optical System, Kohler Illumination, providing excellent optical quality and making Image perfect.
2. With low and forward position of coarse and fine coaxial focus system, focusing knobs and brightness adjustable knob within reaching location, stable integral structure, and reasonable ergonomic design, making operators feel more comfortable and effective.

Application

This microscope is an ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

Viewing Head



Comfortably Observing with Seidentopf Type Trinocular Head Inclined at 30°. Suitable for Every Observer with Wide Interpupillary Range 48-75mm.

Eyepiece



Larger Viewing Area with Extra Wide Field Eyepiece EW10×/22. Focus Control with Diopter Adjustable.

Nosepiece



Big Operating Space with Backward Quintuple Nosepiece.

Objective



Perfect Image with Infinite Plan Achromatic Objective.

Stage



Rectangle Double Layers Mechanical Stage 185×142mm, Moving Range 75×55mm. Comfortable Operation with Low Position Adjustable Knobs.

Condenser



With Swing Condenser N.A.0.9/0.25, Overcoming Illumination Asymmetry at Low Magnification Observation.

Field Diaphragm



With Aspherical Condenser and Kohler Illumination, Providing Enough, Even and High Contrast Illumination for Various Objective Observation.

Illuminator



External Illumination, Halogen Lamp 6V/30W, Brightness Adjustable. 24V/100W For Optional.



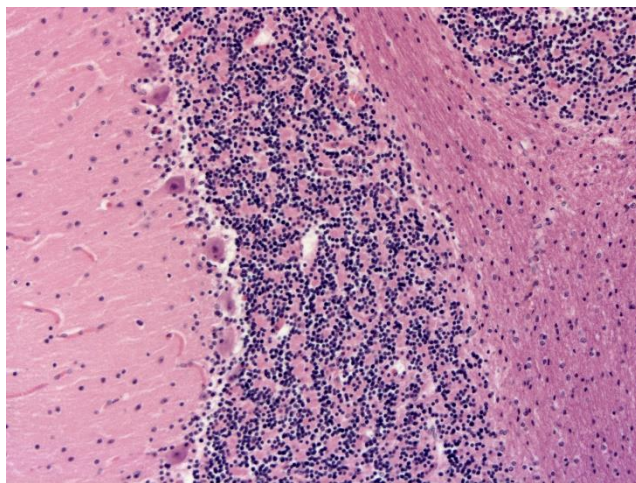
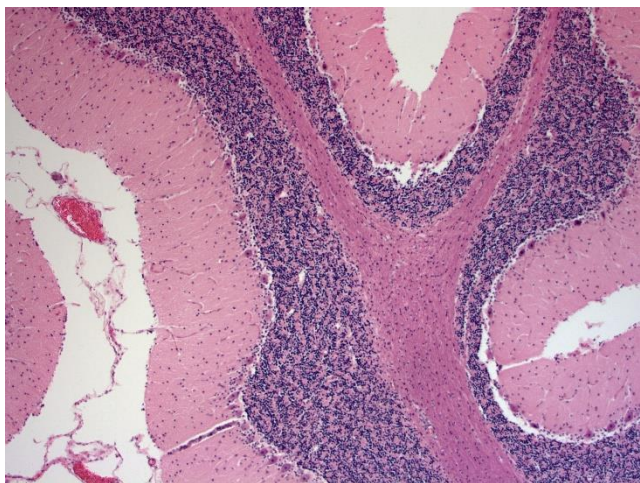
Specification

Item	Specification	BS-2080
Optical System	Infinite Optical System	●
Viewing Head	Siedentopf Trinocular Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm	●
	5°-35° Tilttable Binocular/ Trinocular Head	○
Eyepiece	Extra Wide Field Eyepiece EW10×/ 22mm, Eyepiece Tube Diameter 30mm	●
Nosepiece	Backward Quintuple Nosepiece	●
	Backward Sextuple Nosepiece	○

Objective	Infinite Plan Achromatic Objective	2×/0.05, W.D.=18.3mm	○
		4×/0.10, W.D.=17.3mm	●
		10×/0.25, W.D.=10mm	●
		20×/0.40, W.D.=5.1mm	○
		40×/0.65(S), W.D.=0.54mm	●
		60×/0.8(S), W.D.=0.14mm	○
	100×/1.25(S, Oil), W.D.=0.13mm	●	
	Infinite Plan Fluorescent Objective	4×/0.13, W.D.=16.3mm	○
		10×/0.30, W.D.=12.4mm	○
		20×/0.50, W.D.=1.5mm	○
40×/0.75(S), W.D.=0.35mm		○	
100×/1.3(S, Oil), W.D.=0.13mm		○	
Condenser	Swing-out Condenser NA 0.9/ 0.25	●	
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.1mm per Rotation, Moving Range 24mm	●	
Stage	Double Layers Mechanical Stage 185×142mm, Moving Range 75×55mm	●	
Illumination	External Illumination, Aspherical Collector with Kohler Illumination, Halogen Lamp 6V/30W, Brightness Adjustable	●	
	External Illumination, Aspherical Collector with Kohler Illumination, Halogen Lamp 24V/100W, Brightness Adjustable	○	
	3W LED Illumination, Brightness Adjustable	○	
	5W LED Illumination, Brightness Adjustable	○	
Video Adapter	C-Mount 1×	○	
	C-Mount 0.5×	○	
Filter	Blue Filter	●	
	Green Filter	●	
Dark Field Attachment	Dark-field Condenser(Dry)	○	
	Dark-field Condenser(Oil)	○	
Accessories	Photo Attachment for Nikon or Canon DSLR cameras	○	
	Polarization Attachment	○	
	Turret Phase Contrast Kit	○	
	FL-800 Epi-fluorescent Attachment	○	
	FL-LED Epi-fluorescent Attachment	○	
	Temperature Control Stage	○	
Package	1carton/set, 43.5cm*39.5cm*59cm, 14kg	●	

Note: ● Standard Outfit, ○ Optional

Sample Image



System Diagram



* Viewing field of auxiliary objective is $\Phi 20$ when with the accessories

31. BS-2080F(LED) Fluorescent Biological Microscope



Introduction

BS-2080F(LED) Series LED fluorescence microscopes is a newly developed microscope, the microscope uses LED as the fluorescent light source, the life span of the LED lamp is much longer than mercury lamp, the performance is also better.

Feature

1. Excellent fluorescent image with infinite optical system.
2. LED illumination with 50,000 hours life span.
3. No need for cooling system and protection device due to LED cold light source.
4. 465-476nm excited wavelength with high SNR.
5. Convenient to use, no need warm-up.
6. More fluorescent filters are available for different applications.

Application

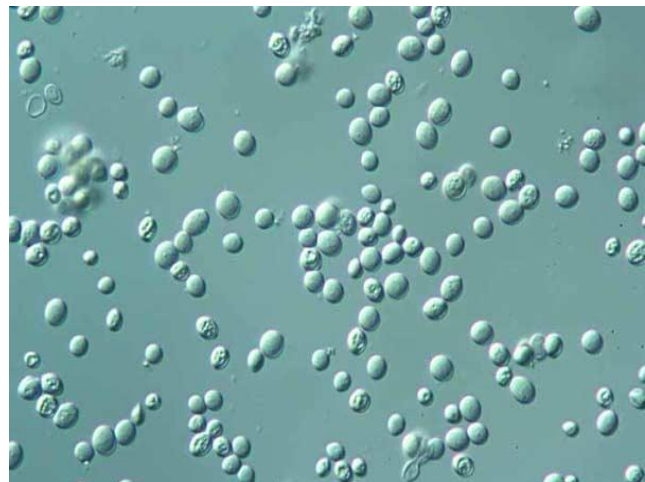
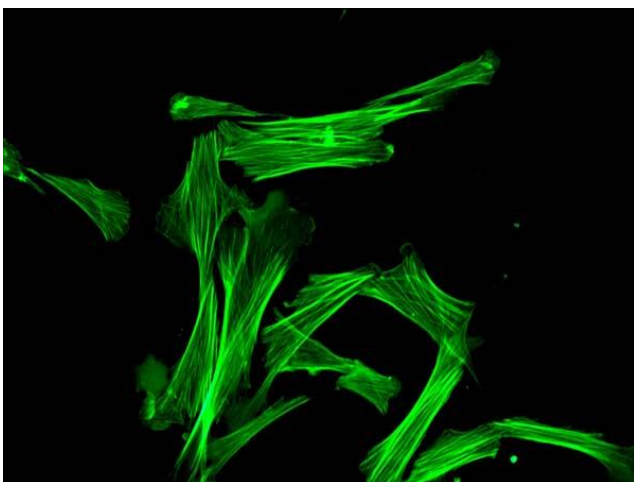
BS-2080F(LED) LED Fluorescence microscope is used to study the absorbing, transportation, chemicals distribution and positioning in cells. It is widely used in disease examination, immune diagnosis and life science areas.

Specification

Item	Specification				BS-2080F(LED)
Optical System	Infinite Optical System				●
Viewing Head	Seidentopf Trinocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm				●
Eyepiece	Wide Field Eyepiece WF10×/22mm				●
Nosepiece	Backward Quintuple Nosepiece				●
Objective	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100×				●
	Infinite Plan Achromatic Objective 20×, 60×,				○
	Infinite Plan Fluorescent Objective 4×,10×,20×,40×, 100×				○
Condenser	Swing Condenser NA 0.9/0.25				●
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.1mm per Rotation, Moving Range 24mm				●
Stage	Double Layers Mechanical Stage 185×142/ 75×55 mm				●
Photo Adapter	Used to connect Nikon or Canon DSLR camera				○
Video Adapter	1× C-mount, 0.5× C-mount				○
Transmitted Illumination	External Kohler illumination, Aspherical collector, Halogen lamp 6V/30W				●
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter	
	Blue excitation	BP460~490	DM505	BA515	●
	Green excitation	BP510~550	DM570	BA590	●
Lamp	3W LED Lamp(465-476nm)				●
	3W LED Lamp(525-530nm)				●
Immersion Oil	Fluorescent Free Oil				●

Note: ●Standard Outfit, ○Optional

Sample Images



32. BS-2081 Research Biological Microscope



Introduction

BS-2081 biological microscope has been designed to present a safe, comfortable and precision observation experience. With perfectly performed structure, high-definition optical image and ergonomical operating system, BS-2081 realizes professional analysis and meets all the needs of research in biological, medical, life science and other fields.

Features

1. Sapphire Glass Stage is optional.



Mechanical stage with sapphire glass insert is optional, it is durable, never could be scratched and allows users to clear the stage easily.

2. Put Slide by One Hand.



It is easy for users to put slides by one hand due to the special designed slide clip.

3. Tilting Trinocular Head is optional.



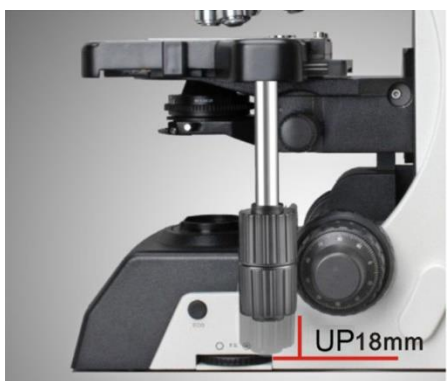
- (1) The eye tube can be adjusted from 0°-35°.
- (2) Digital cameras or DSLR cameras can be connected to the trinocular tube.
- (3) The beam splitter has 3-position (100:0, 20:80, 0:100).
- (4) The splitter bar can be assembled on the either side according to user's requirements.

4. ECO Function.



The transmitted light would be off automatically after 30 minutes from operators leave. It can not only save energy, but also keep the lamp life longer.

5. Low Position X-Y Knobs.



The height of the stage control knobs can be adjusted up or down by 18mm to ensure a comfortable hand position, the tension of X-Y control knob also can be adjusted.

Application

BS-2081 research microscope is an ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

Specification

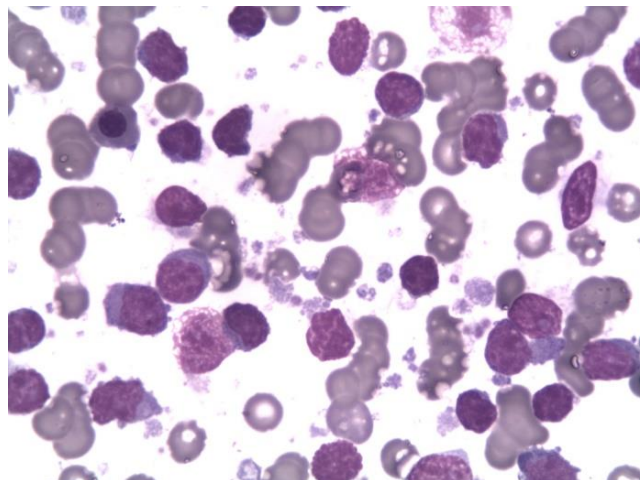
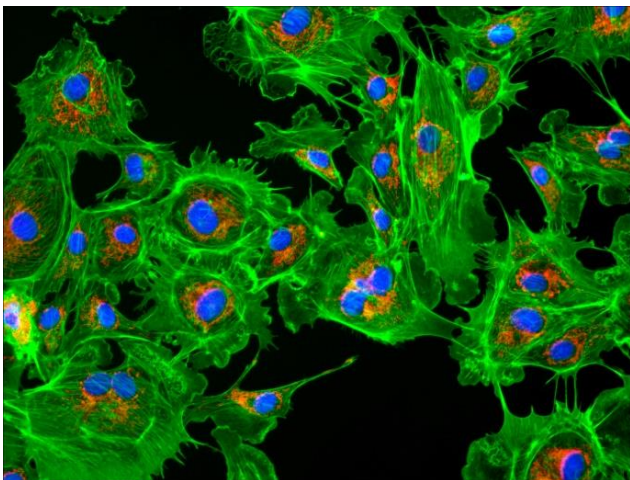
Item	Specification	BS-2081
Optical System	NIS60 Infinite Color Corrected Optical System	•
Viewing Head	Seidentopf Trinocular Head, 30° inclined, interpupillary distance: 47mm-78mm; splitting ratio Eyepiece:Trinocular=100:0 or 20:80 or 0:100	•

	Ergo Tilting Trinocular Head, adjustable 0-35° inclined, interpupillary distance 47mm-78mm; splitting ratio Eyepiece:Trinocular=100:0 or 20:80 or 0:100	○	
	Seidentopf Binocular Head, 30° inclined, interpupillary distance: 47mm-78mm	○	
Eyepiece	Super wide field plan eyepiece SW10X/25mm, diopter adjustable	●	
	Super wide field plan eyepiece SW10X/22mm, diopter adjustable	○	
	Extra wide field plan eyepiece EW12.5X/16mm, diopter adjustable	○	
	Wide field plan eyepiece WF15X/16mm, diopter adjustable	○	
	Wide field plan eyepiece WF20X/12mm, diopter adjustable	○	
Objective	N-PLN Plan Objective	N-PLN 2X/NA=0.06, WD=7.5mm	○
		N-PLN 4X/NA=0.10, WD=30mm	●
		N-PLN 10X/NA=0.25, WD=10.2mm	●
		N-PLN 20X/NA=0.40, WD=12mm	●
		N-PLN 40X/NA=0.65, WD=0.7mm	●
		N-PLN 100X(Oil)/NA=1.25, WD=0.2mm	●
		N-PLN 50X(Oil)/NA=0.95, WD=0.19mm	○
		N-PLN 60X/NA=0.80, WD=0.3mm	○
		N-PLN-I 100X (Oil, with Iris Diaphragm)/ NA=0.5-1.25, WD=0.2mm	○
	N-PLN PH Plan Phase Contrast Objective	N-PLN PH 10X/NA=0.25, WD=10.2mm	○
		N-PLN PH 20X/NA=0.40, WD=12mm	○
		N-PLN PH 40X/NA=0.65, WD=0.7mm	○
		N-PLN PH 100X(Oil)/NA=1.25, WD=0.2mm	○
	N-PLFN Plan Semi-apochromatic Fluorescent Objective	N-PLFN 4X/NA=0.13, WD=17.2mm	○
		N-PLFN 10X/NA=0.30, WD=16.0mm	○
N-PLFN 20X/NA=0.50, WD=2.1mm		○	
N-PLFN 40X/NA=0.75, WD=1.5mm		○	
N-PLFN 100X(Oil)/NA=1.4, WD=0.16mm		○	
Nosepiece	Backward Sextuple Nosepiece (with DIC slot)	●	
Condenser	Swing-out type condenser N.A.0.9/0.25	●	
	Turret Phase Contrast Condenser	○	
	Dark-field Condenser (Dry), used for objectives lower than 100X	○	
	Dark-field Condenser (Oil), used for 100X objective	○	
Transmitted Illumination	3W S-LED lamp, center pre-set, intensity adjustable	●	
	12V/100W halogen lamp, center pre-set, intensity adjustable	○	
Focusing	Low-position coaxial coarse and fine focusing, fine division 1μm, Moving range 35mm	●	
Stage	Double layers mechanical stage, size 190mmX152mm; moving range 78mmX54mm (double slide holder, Right or left handle); precision: 0.1mm	●	
	Double layers mechanical stage, size 190mmX152mm; moving range 78mmX54mm (double slide holder, Right or left handle); precision: 0.1mm; with Sapphire Crystal Glass Insert	○	
DIC Kit	10X DIC Objective Lens	○	
	20X DIC Objective Lens	○	
	Polarizer for DIC Kit	○	
	DIC insert plate(10X/20X), can be inserted into the DIC slot on nosepiece	○	

	DIC insert plate(40X/100X) can be inserted into the DIC slot on nosepiece	○
	DIC Turret Condenser	○
Reflected fluorescence illuminator	Turret with 6 filter block cubes position, with iris field diaphragm and aperture diaphragm, central adjustable; with filter slot and polarizing slot; with fluorescence filters (B,G,U,V,R fluorescent filters are available).	○
	100W mercury lamp house, filament center and focus adjustable; with reflected mirror, mirror center and focus adjustable.	○
	Digital power controller, wide voltage 100-240VAC	○
	ND6/ND25 Filter	○
Other Accessories	0.5X C-mount Adapter	○
	1X C-mount Adapter	○
	Dust Cover	●
	Power Cord	●
	Cedar Oil 5ml	●
	Simple Polarizing kit	○
	Calibration slide 0.01mm	○
	Multi Viewing Attachment for 2/3/5/7/10 person	○

Note: ● Standard Outfit, ○ Optional

Sample Image



Accessories

1. N-PLN Series Plan Objectives.



The Plan objectives can provide flat high transmittance image from visible light to NIR light. They are usually used for bright-field viewing as the high signal-to-noise, high resolution and high contrast features.

2. N-PLN PH Series Plan Phase Contrast Objectives.



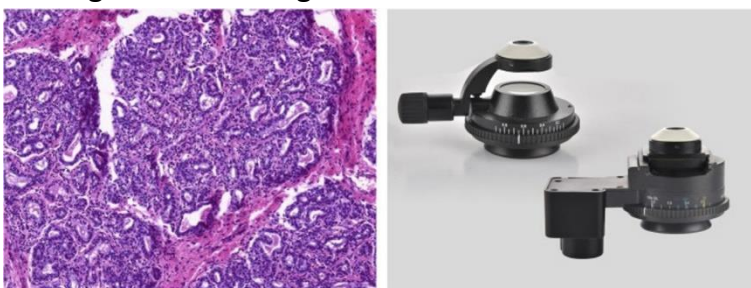
These plan phase contrast objectives are specially designed for phase contrast observation. They are good choice for clinic and scientific research. These objectives can provide advanced flat image of 25mm FOV under transmitted bright field.

3. N-PLFN Series Plan Semi-APO Fluorescent Objectives.



Owe to the multilayers coating technology, these Semi-APO objectives can compensate the spherical aberration and the chromatic aberration from ultraviolet and infrared light. High-sensitive fluorescence performance of the objectives ensures the sharpness, definition and color rendition of images.

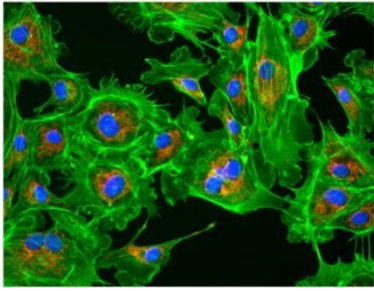
4. Bright field Viewing.



Mammary Gland (active stage)

Brighter image, high resolution and flatness, suitable for all the magnifications.

5. Fluorescent Viewing.

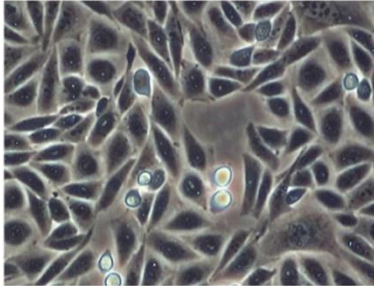


Arterial Cell



The compact epi-fluorescent components include noise elimination feature which ensures images captured are bright, with high contrast and high signal-to-noise ratio.

6. Phase Contrast Viewing.

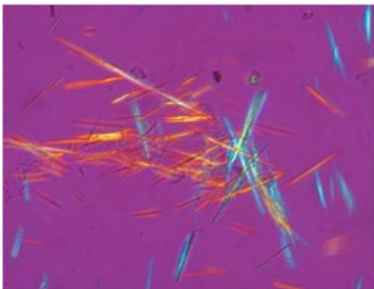


Rat Ovarian Cell



Users can get high contrast image of neutral background color whatever the magnification is. It is suitable for viewing non-stained specimen.

7. Polarizing Viewing.

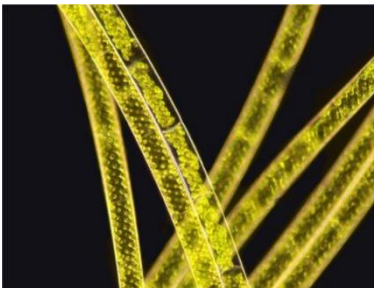


Uric Acid Crystal



It is quite suitable for viewing collagen, amyloid and crystal etc., double refracting specimens.

8. Dark-field Viewing.



Spirogyra



It can be used for clearly viewing of blood or flagellum etc., fine structure.

9. Multi Viewing Heads.



BS-2081MH4A (For 2 users, Face to Face)



BS-2081MH4B (For 2 users, Side to Side)

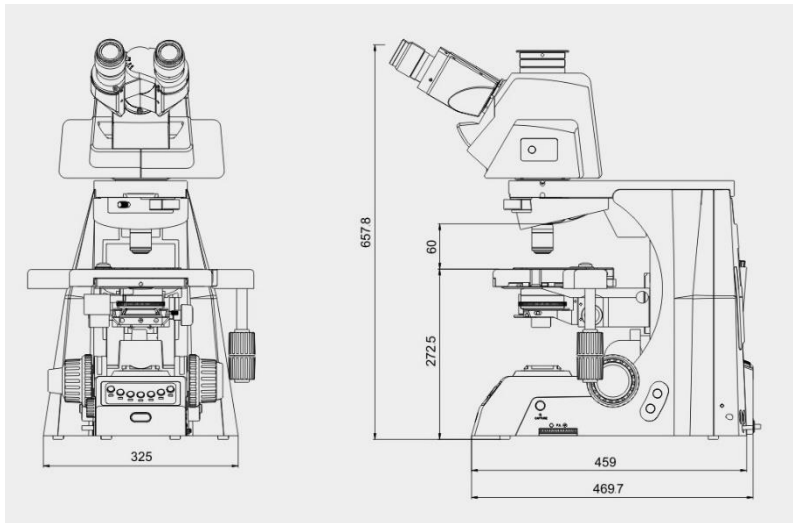


BS-2081MH10(For 5 users)



BS-2081MH20 (For 10 users)

Dimension



Unit: mm

33. BS-2081F Research Fluorescent Biological Microscope

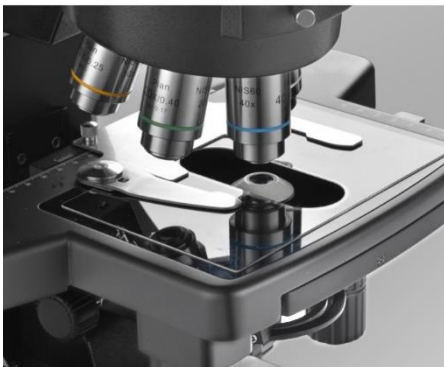


Introduction

BS-2081F biological fluorescent microscope has been designed to present a safe, comfortable and precision observation experience. B, G, U, V, R fluorescent filters are available. With perfectly performed structure, high-definition optical image and ergonomical operating system, BS-2081F realizes professional analysis and meets all the needs of research in biological, medical, life science and other fields.

Features

1. Sapphire Glass Stage is optional.



Mechanical stage with sapphire glass insert is optional, it is durable, never could be scratched and allows users to clear the stage easily.

2. Put Slide by One Hand.



It is easy for users to put slides by one hand due to the special designed slide clip.

3. Tilting Trinocular Head is optional.



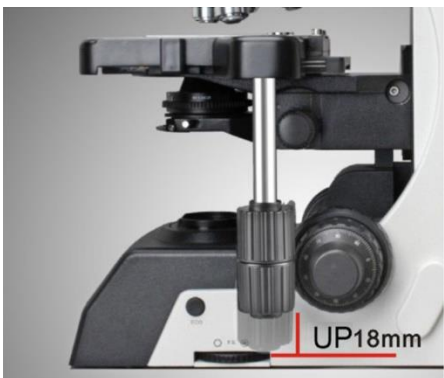
- (5) The eye tube can be adjusted from 0°-35°.
- (6) Digital cameras or DSLR cameras can be connected to the trinocular tube.
- (7) The beam splitter has 3-position (100:0, 20:80, 0:100).
- (8) The splitter bar can be assembled on the either side according to user's requirements.

4. ECO Function.



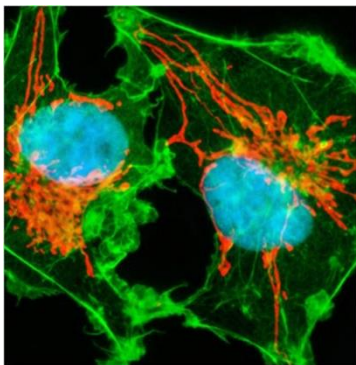
The transmitted light would be off automatically after 30 minutes from operators leave. It can not only save energy, but also keep the lamp life longer.

5. Low Position X-Y Knobs.



The height of the stage control knobs can be adjusted up or down by 18mm to ensure a comfortable hand position, the tension of X-Y control knob also can be adjusted.

6. 6-Position Turret for fluorescent filter blocks.



All the fluorescent filter blocks use the high-performance filter lens. Up to 6 filter blocks can be installed in the turret, that allows users to view different stained specimens at the same time.

Animal Fiber Cell

Application

This microscope is an ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

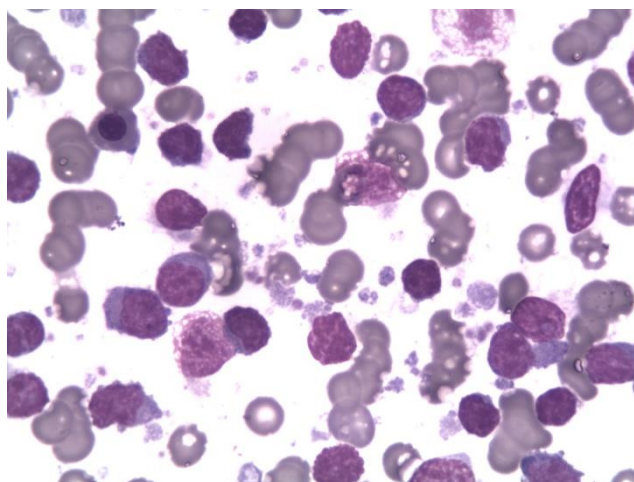
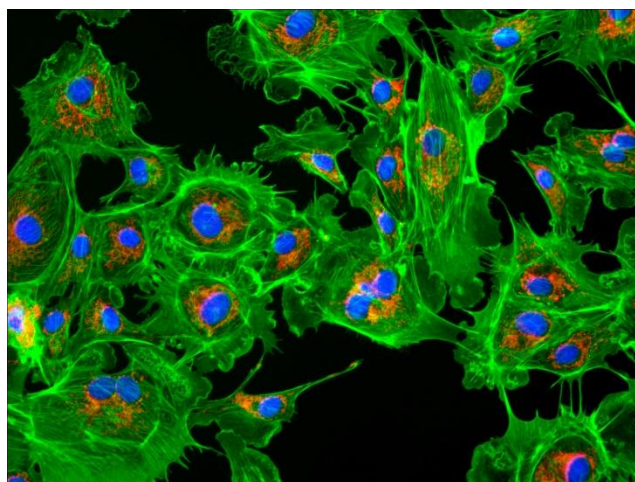
Specification

Item	Specification	BS-2081F	
Optical System	NIS60 Infinite Color Corrected Optical System	●	
Viewing Head	Seidentopf Trinocular Head, 30° inclined, interpupillary distance: 47mm-78mm; splitting ratio Eyepiece:Trinocular=100:0 or 20:80 or 0:100	●	
	Ergo Tilting Trinocular Head, adjustable 0-35° inclined, interpupillary distance 47mm-78mm; splitting ratio Eyepiece:Trinocular=100:0 or 20:80 or 0:100	○	
	Seidentopf Binocular Head, 30° inclined, interpupillary distance: 47mm-78mm	○	
Eyepiece	Super wide field plan eyepiece SW10X/25mm, diopter adjustable	●	
	Super wide field plan eyepiece SW10X/22mm, diopter adjustable	○	
	Extra wide field plan eyepiece EW12.5X/16mm, diopter adjustable	○	
	Wide field plan eyepiece WF15X/16mm, diopter adjustable	○	
	Wide field plan eyepiece WF20X/12mm, diopter adjustable	○	
Objective	N-PLN Plan Objective	N-PLN 2X/NA=0.06, WD=7.5mm	○
		N-PLN 4X/NA=0.10, WD=30mm	●
		N-PLN 10X/NA=0.25, WD=10.2mm	●
		N-PLN 20X/NA=0.40, WD=12mm	●
		N-PLN 40X/NA=0.65, WD=0.7mm	●
		N-PLN 100X(Oil)/NA=1.25, WD=0.2mm	●
		N-PLN 50X(Oil)/NA=0.95, WD=0.19mm	○
		N-PLN 60X/NA=0.80, WD=0.3mm	○
	N-PLN PH Plan Phase Contrast Objective	N-PLN PH 10X/NA=0.25, WD=10.2mm	○
		N-PLN PH 20X/NA=0.40, WD=12mm	○
		N-PLN PH 40X/NA=0.65, WD=0.7mm	○
		N-PLN PH 100X(Oil)/NA=1.25, WD=0.2mm	○
	N-PLFN Plan Semi-apochromatic Fluorescent Objective	N-PLFN 4X/NA=0.13, WD=17.2mm	○
		N-PLFN 10X/NA=0.30, WD=16.0mm	○
		N-PLFN 20X/NA=0.50, WD=2.1mm	○
		N-PLFN 40X/NA=0.75, WD=1.5mm	○
		N-PLFN 100X(Oil)/NA=1.4, WD=0.16mm	○
Nosepiece	Backward Sextuple Nosepiece (with DIC slot)	●	
Condenser	Swing-out type condenser N.A.0.9/0.25(Auto)	●	
	Turret Phase Contrast Condenser	○	
	Dark-field Condenser (Dry), used for objectives lower than 100X	○	
	Dark-field Condenser (Oil), used for 100X objective	○	

Transmitted Illumination	3W S-LED lamp, center pre-set, intensity adjustable	●
	12V/100W halogen lamp, center pre-set, intensity adjustable	○
Focusing	Low-position coaxial coarse and fine focusing, fine division 1μm, Moving range 35mm	●
Stage	Double layers mechanical stage, size 190mmX152mm; moving range 78mmX32mm (Right or left handle); precision: 0.1mm	●
	Double layers mechanical stage, size 190mmX152mm; moving range 78mmX32mm (Right or left handle); precision: 0.1mm; with Sapphire Crystal Glass Insert	○
DIC Kit	10X DIC Objective Lens	○
	20X DIC Objective Lens	○
	Polarizer for DIC Kit	○
	DIC insert plate(10X/20X), can be inserted into the DIC slot on nosepiece	○
	DIC insert plate(40X/100X) can be inserted into the DIC slot on nosepiece	○
	DIC Turret Condenser	○
Reflected fluorescence illuminator	Turret with 6 filter block cubes position, with iris field diaphragm and aperture diaphragm, central adjustable; with filter and polarizing slot; fluorescence filters (B,G fluorescent filters).	●
	U,V,R fluorescent filters	○
	100W mercury lamp house, filament center and focus adjustable; with reflected mirror, mirror center and focus adjustable.	●
	Digital power controller, wide voltage 100-240VAC	●
	ND6/ND25 Filter	○
Other Accessories	0.5X C-mount Adapter	○
	1X C-mount Adapter	○
	Dust Cover	●
	Power Cord	●
	Cedar Oil 5ml	●
	Simple Polarizing kit	○
	Calibration slide 0.01mm	○
	Multi Viewing Attachment for 2/3/5/7/10 person	○

Note: ● Standard Outfit, ○ Optional

Sample Image



Accessories

1. N-PLN Series Plan Objectives.



The Plan objectives can provide flat high transmittance image from visible light to NIR light. They are usually used for bright-field viewing as the high signal-to-noise, high resolution and high contrast features.

2. N-PLN PH Series Plan Phase Contrast Objectives.



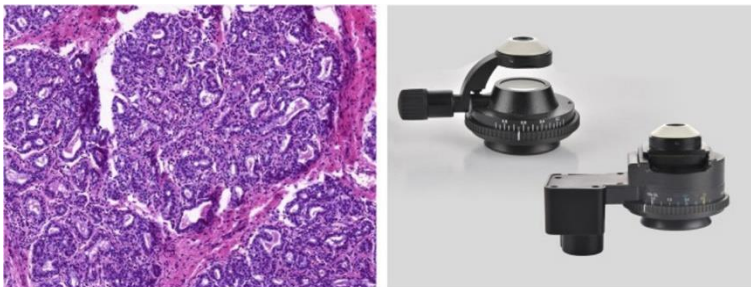
These plan phase contrast objectives are specially designed for phase contrast observation. They are good choice for clinic and scientific research. These objectives can provide advanced flat image of 25mm FOV under transmitted bright field.

3. N-PLFN Series Plan Semi-APO Fluorescent Objectives.



Owe to the multilayers coating technology, these Semi-APO objectives can compensate the spherical aberration and the chromatic aberration from ultraviolet and infrared light. High-sensitive fluorescence performance of the objectives ensures the sharpness, definition and color rendition of images.

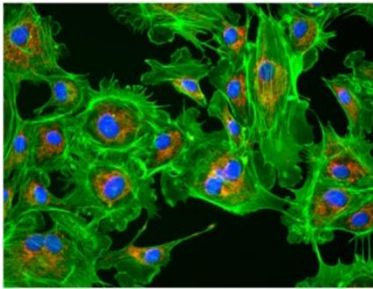
4. Bright field Viewing.



Mammary Gland (active stage)

Brighter image, high resolution and flatness, suitable for all the magnifications.

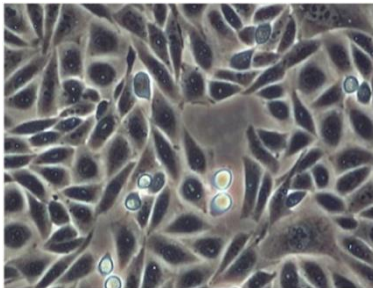
5. Fluorescent Viewing.



Arterial Cell

The compact epi-fluorescent components include noise elimination feature which ensures images captured are bright, with high contrast and high signal-to-noise ratio.

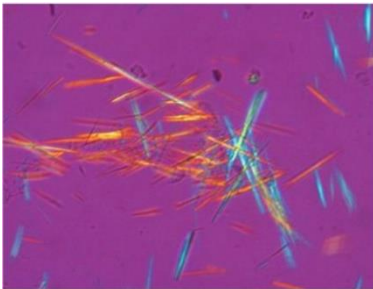
6. Phase Contrast Viewing.



Rat Ovarian Cell

Users can get high contrast image of neutral background color whatever the magnification is. It is suitable for viewing non-stained specimen.

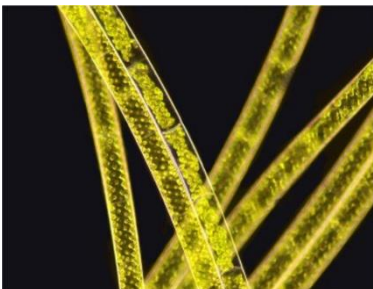
7. Polarizing Viewing.



Uric Acid Crystal

It is quite suitable for viewing collagen, amyloid and crystal etc., double refracting specimens.

8. Dark-field Viewing.



Spirogyra

It can be used for clearly viewing of blood or flagellum etc., fine structure.

9. Multi Viewing Heads.



2 Viewing heads (Face to Face)



2 Viewing heads (Side to Side)



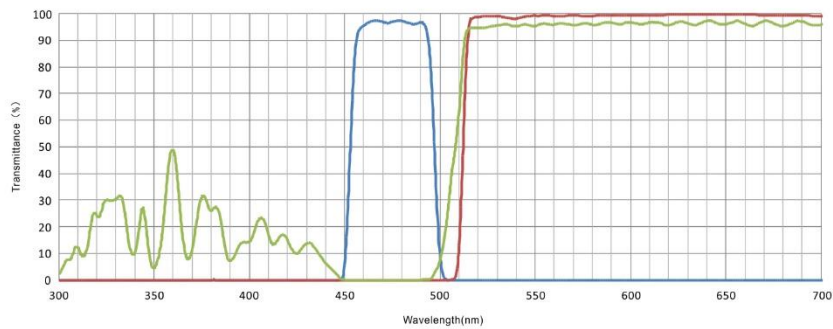
5 Viewing heads

10. Fluorescent filters.

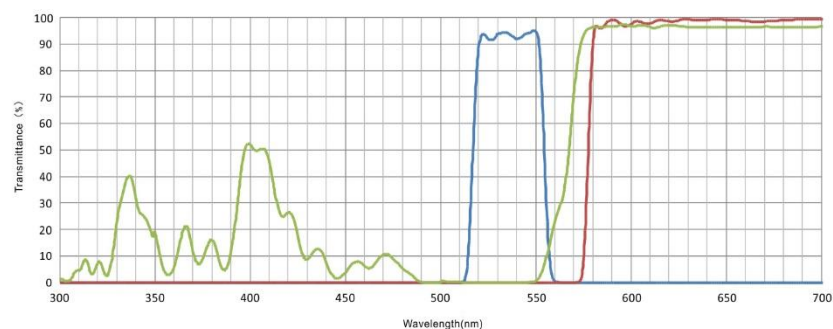


Model	Description	Excitation	Dichroic Mirror	Barrier Filter
FL-B	B filter block	BP460-495	DM505	BA510
FL-B1	B1 filter block	BP460-495	DM505	BA510-550
FL-G	G filter block	BP510-550	DM570	BA575
FL-U	U filter block	BP330-385	DM410	BA420
FL-V	V filter block	BP400-410	DM455	BA460
FL-R	R filter block	BP620-650	DM660	BA670-750
FL-O	Fluorescent Block without filters	Optional Excitation and Barrier Filters is Φ 25mm, Dichroic Mirror is 5.8X37.5/1mm, the filters can be installed in the block.		

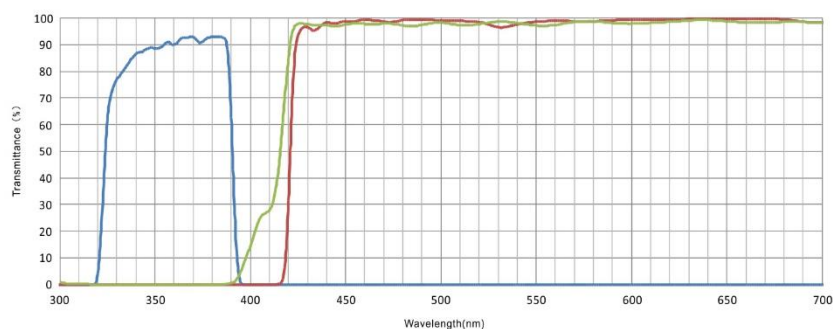
Spectral range



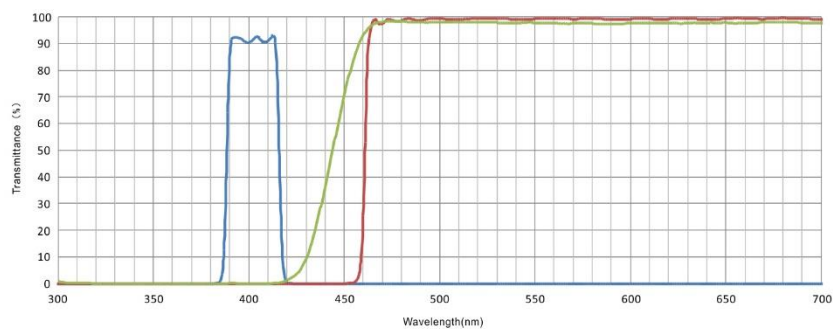
- FL-B
- BP 460-495
 - DM 505
 - BA 510IF



- FL-G
- BP 510-550
 - DM 570
 - BA 575IF

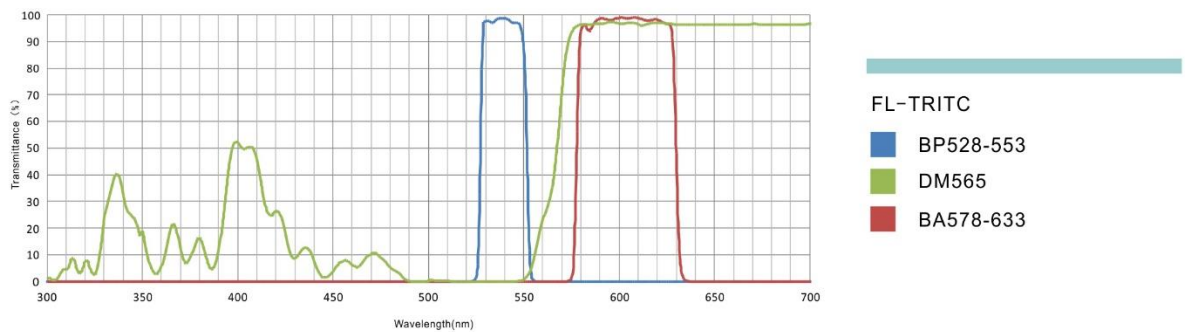
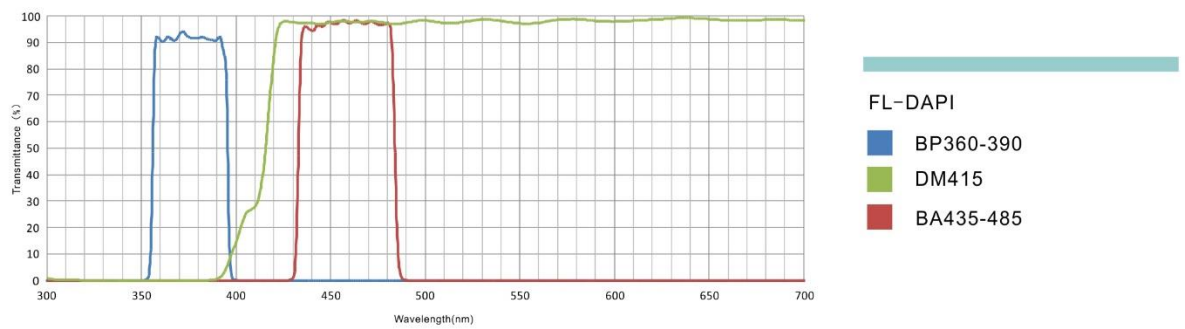
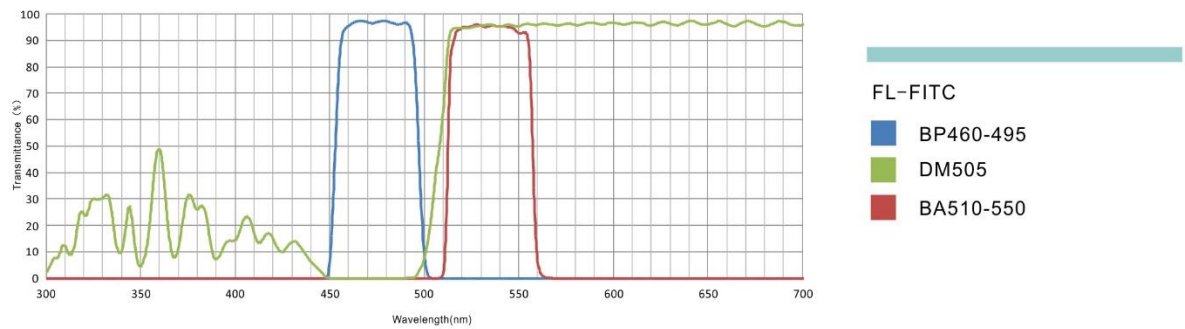
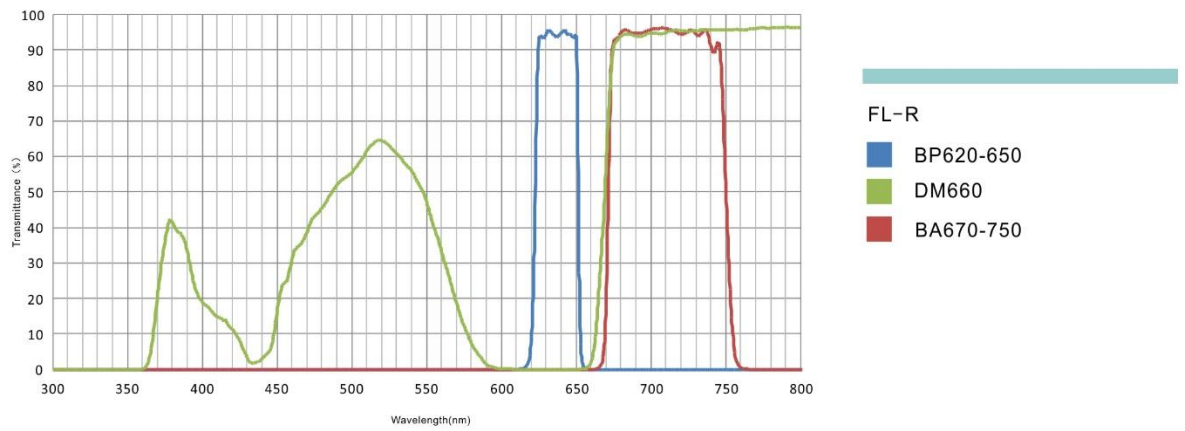


- FL-U
- BP 330-385
 - DM 410
 - BA 420IF

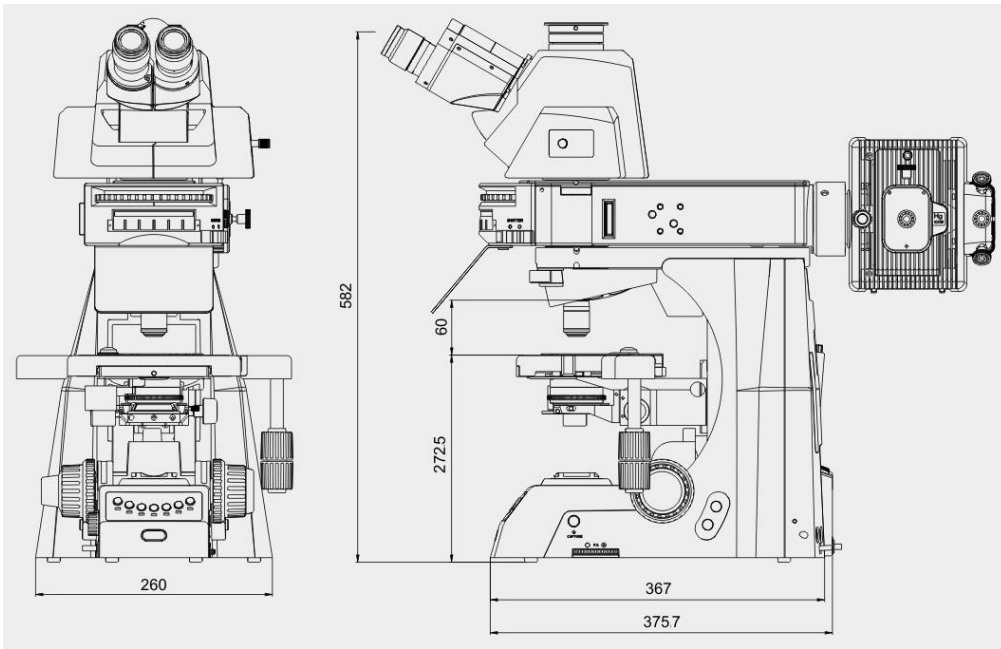


- FL-V
- BP 400-410
 - DM 455
 - BA 460IF

Spectral range



Dimension



Unit: mm

34. BS-2082 Research Biological Microscope



BS-2082



BS-2082F



BS-2082MH10

Introduction

After years of research and development in optical technology field, BS-2082 biological microscope is designed to present a safe, comfortable and efficiency observation experience for users. With perfectly performed structure, high-definition optical image and simple operating system, BS-2082 realizes professional analysis, and meets all the needs of research in scientific, medical and other fields.

Features

1. High eye point wide field plan eyepiece.

The eyepiece field of view has been upgraded from traditional 22mm to 25mm and 26.5mm, provide more flat field of view and improve working efficiency. With wider diopter adjustment range and foldable rubber eye guard.



2. Viewing head with multi-splitting ratio.

The viewing head is designed of multiple options for splitting ratio.

(1) Trinocular head with inverted image, splitting ratio Binocular: Trinocular=100:0 or 20:80 or 0:100 is standard. Except for concentrating 100% light to eyepiece tube or camera tube, there is another option with 20% light to eyepiece tube and 80% to camera tube, so that eyepiece observation and image output can be available at the same time.

(2) Trinocular head with erected image, splitting ratio Binocular:Trinocular=100:0 or 0:100 is optional. The moving direction of samples is the same as observed.



3. Large size rackless stage for both hands.

Large stage with adjustment in either hand In order to correct the hidden danger of horizon guide rail, the stage is designed with double-way linear driving mechanism. This change protects the stage from overload at the end of both rails, improves the reliability and performance of the stage.

The handle of the stage can be set at each side based on users' preference. The X, Y biaxial adjustment are designed with low position for comfortable operation.

Two slices can be hold on the stage by using damping-type double clips, easy for comparative study. Moving range: 80mm X55mm; precision: 0.1mm. Processed with special craft, the surface of the stage is anti-corrosive and anti-friction. The platform with an arc transition design reduces the stress concentration and damage from impact.

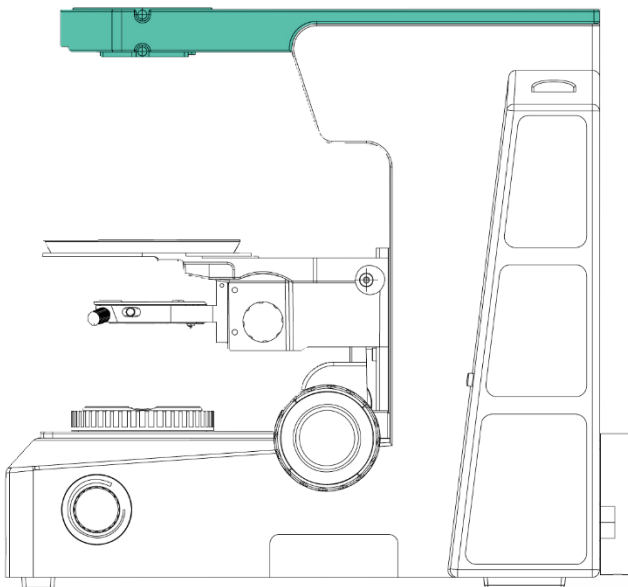


4. Modular frame, improve the system compatibility.

With modularization design, separated cross arm and main body, improves the system compatibility of biological and fluorescence frame.

5. Highly sensitive coaxial coarse and fine adjustment system.

Coaxial adjustment adopts double-stage driving, with adjustable tension tightness and upper limit stop, coarse range is 25mm and fine precision is 1 μ m. Not only accurately focus but also precision measurement is available.



Application

This microscope is an ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

Specification

Item	Specification	BS-2082	BS-2082F	BS-2080 MH10
Optical System	Infinite color corrected optical system	●	●	●
Viewing Head	Seidentopf trinocular head(Inverted image), 30° inclined, interpupillary distance: 50mm-76mm; splitting ratio Eyepiece:Trinocular=100:0 or 20:80 or 0:100	●	●	●
	Seidentopf trinocular head(Erected image), 30° inclined , interpupillary distance: 50mm-76mm; splitting ratio Eyepiece:Trinocular=100:0 or 0:100	○	○	○
Eyepiece	High eyepoint wide field plan eyepiece PL10X/25mm, diopter adjustable	●	●	●
	High eyepoint wide field plan eyepiece PL10X/25mm, with reticle, diopter adjustable	○	○	○
	High eyepoint wide field plan eyepiece PL10X/26.5mm, diopter adjustable	○	○	○
	High eyepoint wide field plan eyepiece PL10X/26.5mm, with reticle, diopter adjustable	○	○	○
Objective	Plan semi-apochromatic fluorescent objective 4X/0.13(infinity), WD=18.5mm	●	●	●
	Plan semi-apochromatic fluorescent objective 10X/0.30(infinity), WD=10.6mm	●	●	●
	Plan semi-apochromatic fluorescent objective 20X/0.50(infinity), WD=2.33mm	●	●	●
	Plan semi-apochromatic fluorescent objective 40X/0.75(infinity), WD=0.6mm	●	●	●
	Plan semi-apochromatic fluorescent objective 100X/1.30(infinity), WD=0.21mm	●	●	●
Nosepiece (with DIC slot)	Backward Quintuple Nosepiece	○	○	○
	Backward Sextuple Nosepiece	●	●	●
	Backward Septuple nosepiece	○	○	○
Frame	Biological frame (transmitted), low-position coaxial coarse and fine adjustment, coarse adjustment distance: 25mm; fine precision: 0.001mm. With coarse adjustment stop and tightness adjustment. Built-in 100-240V_AC50/60Hz wide voltage transformer, intensity adjustable by digital set and reset; built-in transmitted filters LBD/ND6/ND25)	●		●
	Fluorescence frame (transmitted), low-position coaxial coarse and fine adjustment, coarse adjustment distance: 25mm; fine precision: 0.001mm. With coarse adjustment stop and tightness adjustment. Built-in 100-240V_AC50/60Hz wide voltage transformer, intensity	○	●	○

	adjustable by digital set and reset; built-in transmitted filters LBD/ND6/ND25)			
Stage	Double layers mechanical stage, size: 187mm X168mm; moving range: 80mm X55mm; precision: 0.1mm; two-way linear drive, tension adjustable	●	●	●
Condenser	Swing-out type achromatic condenser (N.A.0.9)	●	●	●
Reflected fluorescence illuminator	Sextuple reflected fluorescence illuminator with iris field diaphragm and aperture diaphragm, central adjustable; with filter slot and polarizing slot; with fluorescence filters (UV/B/G for option).	○	●	○
	100W mercury lamp house, filament center and focus adjustable; with reflected mirror, mirror center and focus adjustable. (75W xenon lamp house for option)	○	●	○
	Digital power controller, wide voltage 100-240VAC	○	●	○
	Imported OSRAM 100W mercury lamp.(OSRAM 75W xenon lamp for option)	○	●	○
Transmitted Illumination	12V/100W halogen lamp house for transmitted light, center pre-set, intensity adjustable	●	●	●
Other Accessories	Camera adapter: 0.5X/0.65X/1X focusing C-mount	○	○	○
	Cooled CCD camera, SONY 2/3", 1.4MP, ICX285AQ Color CCD	○	○	○
	Centering objective for fluorescence observation	○	○	○
	Calibration slide 0.01mm	○	○	○
	Multi Viewing Attachment for 5 persons	○	○	●
	DIC Attachment	○	○	○

Note: ● Standard Outfit, ○ Optional

Sample Image



35. BS-2083 Research Biological Microscope



Introduction

BS-2083 biological microscope has been designed to present a safe, comfortable and precision observation experience. The motorized nosepiece and condenser will make your works easier. With perfectly performed structure, high-definition optical image and ergonomical operating system, BS-2083 realizes professional analysis and meets all the needs of research in biological, medical, life science and other fields.

Features

1. Sapphire Glass Stage Insert.



Mechanical stage with sapphire glass insert is durable, never could be scratched and allows users to clear the stage easily.

2. Put Slide by One Hand.



It is easy for users to put slides by one hand due to the special designed slide clip.

3. Image Capture Button.



There is a cable from the microscope, the cable could be connected to the digital camera, after connection, just press the “CAPTURE” button at the right side of the microscope base, then you could capture the image easily.

4. Tilting Trinocular Head.



- (1) The eye tube can be adjusted from 0°-35°.
- (2) Digital cameras or DSLR cameras can be connected to the trinocular tube.
- (3) The beam splitter has 3-position (100:0, 20:80, 0:100).
- (4) The splitter bar can be assembled on the either side according to user’s requirements.

5. Low-Position Focusing System.



Very precise coaxial focusing system with fine division of 1μm, it comes with low-position coarse and fine focusing knobs, the ergonomic design provides comfortable experience for users.

6. Motorized Objective Change.



Objectives could be switched by simply pressing the buttons. Users could also self-define two of the most commonly used objectives and switch between them with the green button.

The illumination has connection with the objective, when the objective is changed, the light intensity will also be changed accordingly.

7. Nosepiece Rotating Buttons.



This microscope has the function of motorized rotating nosepiece with the 2 buttons.

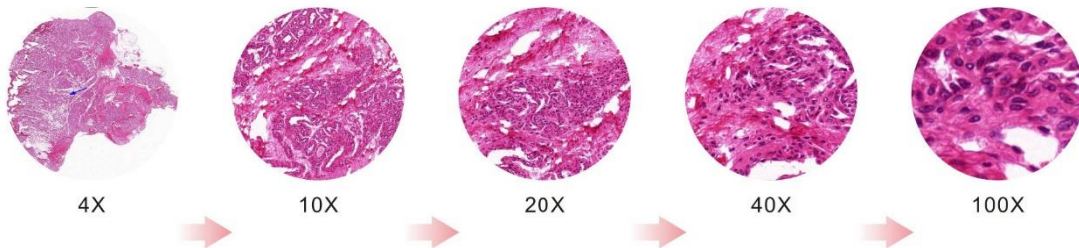
8. Motorized Swing-out Condenser.



The top-lens on the condenser will be automatically swing-in or swing-out according to the objective lens that is selected.

9. Light Intensity Management.

The illumination has connection with the objective, when the objective is changed, the light intensity will also be changed accordingly. Thus, from low to high magnification, the field of view maintains the same brightness. There is no need to manually adjust the intensity of the light and also reduce eye fatigue. The long-life LED light source ensures uniform brightness while is easy to maintain.



Application

This microscope is an ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

Specification

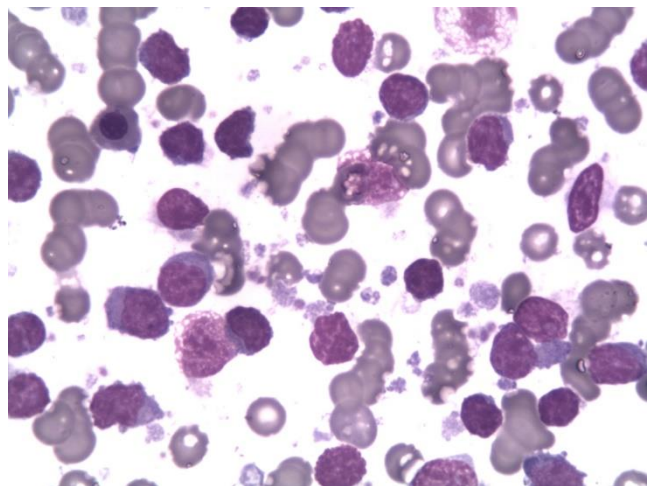
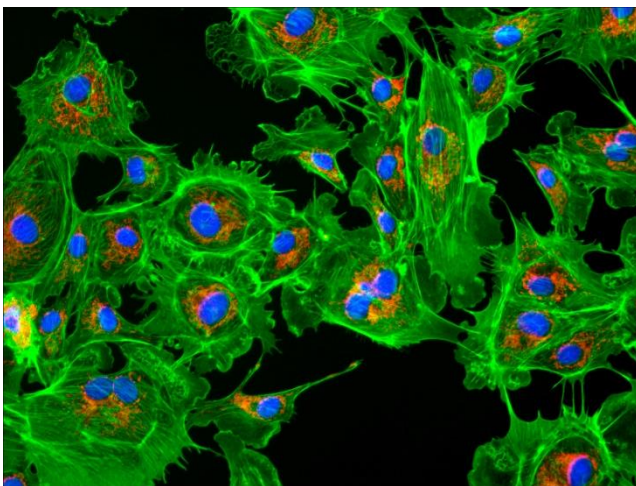
Item	Specification	BS-2083
Optical System	NIS60 Infinite Color Corrected Optical System	•

Viewing Head	Ergo Tilting Trinocular Head, adjustable 0-35° inclined, interpupillary distance 47mm-78mm; splitting ratio Eyepiece:Trinocular=100:0 or 20:80 or 0:100		●
	Seidentopf Trinocular Head, 30° inclined, interpupillary distance: 47mm-78mm; splitting ratio Eyepiece:Trinocular=100:0 or 20:80 or 0:100		○
	Seidentopf Binocular Head, 30° inclined, interpupillary distance: 47mm-78mm		○
Eyepiece	Super wide field plan eyepiece SW10X/25mm, diopter adjustable		●
	Super wide field plan eyepiece SW10X/22mm, diopter adjustable		○
	Extra wide field plan eyepiece EW12.5X/16mm, diopter adjustable		○
	Wide field plan eyepiece WF15X/16mm, diopter adjustable		○
	Wide field plan eyepiece WF20X/12mm, diopter adjustable		○
Objective	N-PLN Plan Objective	N-PLN 2X/NA=0.06, WD=7.5mm	○
		N-PLN 4X/NA=0.10, WD=30mm	●
		N-PLN 10X/NA=0.25, WD=10.2mm	●
		N-PLN 20X/NA=0.40, WD=12mm	●
		N-PLN 40X/NA=0.65, WD=0.7mm	●
		N-PLN 100X(Oil)/NA=1.25, WD=0.2mm	●
		N-PLN 50X(Oil)/NA=0.95, WD=0.19mm	○
		N-PLN 60X/NA=0.80, WD=0.3mm	○
	N-PLN PH Plan Phase Contrast Objective	N-PLN PH 10X/NA=0.25, WD=10.2mm	○
		N-PLN PH 20X/NA=0.40, WD=12mm	○
		N-PLN PH 40X/NA=0.65, WD=0.7mm	○
		N-PLN PH 100X(Oil)/NA=1.25, WD=0.2mm	○
	N-PLFN Plan Semi-apochromatic Fluorescent Objective	N-PLFN 4X/NA=0.13, WD=17.2mm	○
		N-PLFN 10X/NA=0.30, WD=16.0mm	○
		N-PLFN 20X/NA=0.50, WD=2.1mm	○
N-PLFN 40X/NA=0.75, WD=1.5mm		○	
N-PLFN 100X(Oil)/NA=1.4, WD=0.16mm		○	
Nosepiece	Motorized Backward Sextuple Nosepiece (with DIC slot)		●
Condenser	Swing-out type condenser N.A.0.9/0.25(Auto)		●
	Turret Phase Contrast Condenser		○
	Dark-field Condenser (Dry), used for objectives lower than 100X		○
	Dark-field Condenser (Oil), used for 100X objective		○
Transmitted Illumination	3W S-LED lamp, center pre-set, intensity adjustable		●
	12V/100W halogen lamp, center pre-set, intensity adjustable		○
Focusing	Low-position coaxial coarse and fine focusing, fine division 1μm, Moving range 35mm		●
Stage	Double layers mechanical stage, size 190mmX152mm; moving range 78mmX54mm (double slides holder, Right or left handle); precision: 0.1mm; with Sapphire Crystal Glass Insert		●
	Double layers mechanical stage, size 190mmX152mm; moving range78mmX54mm (double slides holder, Right or left handle); precision: 0.1mm		○
DIC Kit	10X DIC Objective Lens		○
	20X DIC Objective Lens		○

	Polarizer for DIC Kit	○
	DIC insert plate(10X/20X), can be inserted into the DIC slot on nosepiece	○
	DIC insert plate(40X/100X) can be inserted into the DIC slot on nosepiece	○
	DIC Turret Condenser	○
Reflected fluorescence illuminator	Turret with 6 filter block cubes position, with iris field diaphragm and aperture diaphragm, central adjustable; with filter slot and polarizing slot; with fluorescence filters (B, G, U, V, B1, R fluorescent filters are available).	○
	100W mercury lamp house, filament center and focus adjustable; with reflected mirror, mirror center and focus adjustable.	○
	3W LED lamps for B, G, U, V, B1, R filters, filament center and focus adjustable; with reflected mirror, mirror center and focus adjustable.	○
	Digital power controller, wide voltage 100-240VAC	○
	ND6/ND25 Filter	○
Other Accessories	0.5X, 1X C-mount Adapter	○
	Dust Cover	●
	Power Cord	●
	Cedar Oil 5ml	●
	Simple Polarizing kit	○
	Calibration slide 0.01mm	○
	Multi Viewing Attachment for 2/3/5/7/10 person	○

Note: ● Standard Outfit, ○ Optional

Sample Image



Accessories

1. N-PLN Series Plan Objectives.



The Plan objectives can provide flat high transmittance image from visible light to NIR light. They are usually used for bright-field viewing as the high signal-to-noise, high resolution and high contrast features.

2. N-PLN PH Series Plan Phase Contrast Objectives.



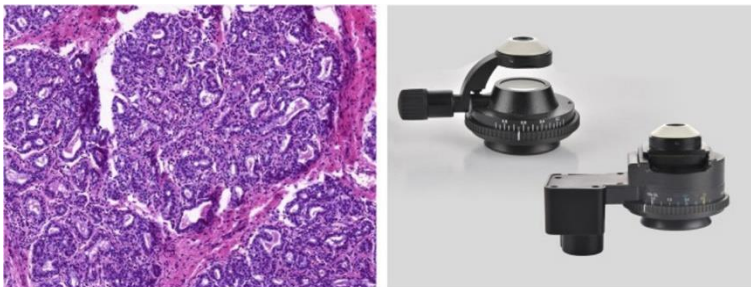
These plan phase contrast objectives are specially designed for phase contrast observation. They are good choice for clinic and scientific research. These objectives can provide advanced flat image of 25mm FOV under transmitted bright field.

3. N-PLFN Series Plan Semi-APO Fluorescent Objectives.



Owe to the multilayers coating technology, these Semi-APO objectives can compensate the spherical aberration and the chromatic aberration from ultraviolet and infrared light. High-sensitive fluorescence performance of the objectives ensures the sharpness, definition and color rendition of images.

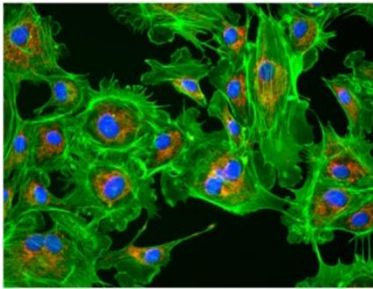
4. Bright field Viewing.



Mammary Gland (active stage)

Brighter image, high resolution and flatness, suitable for all the magnifications.

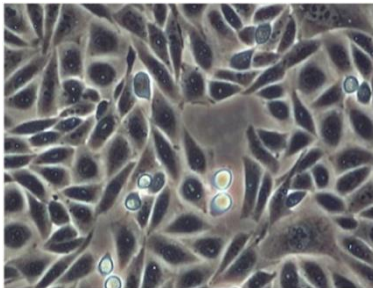
5. Fluorescent Viewing.



Arterial Cell

The compact epi-fluorescent components include noise elimination feature which ensures images captured are bright, with high contrast and high signal-to-noise ratio.

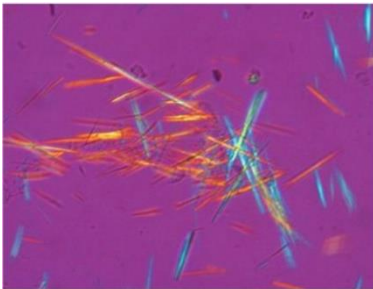
6. Phase Contrast Viewing.



Rat Ovarian Cell

Users can get high contrast image of neutral background color whatever the magnification is. It is suitable for viewing non-stained specimen.

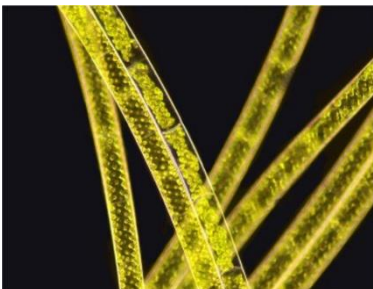
7. Polarizing Viewing.



Uric Acid Crystal

It is quite suitable for viewing collagen, amyloid and crystal etc., double refracting specimens.

8. Dark-field Viewing.



Spirogyra

It can be used for clearly viewing of blood or flagellum etc., fine structure.

9. Multi Viewing Heads.



2 Viewing heads (Face to Face)

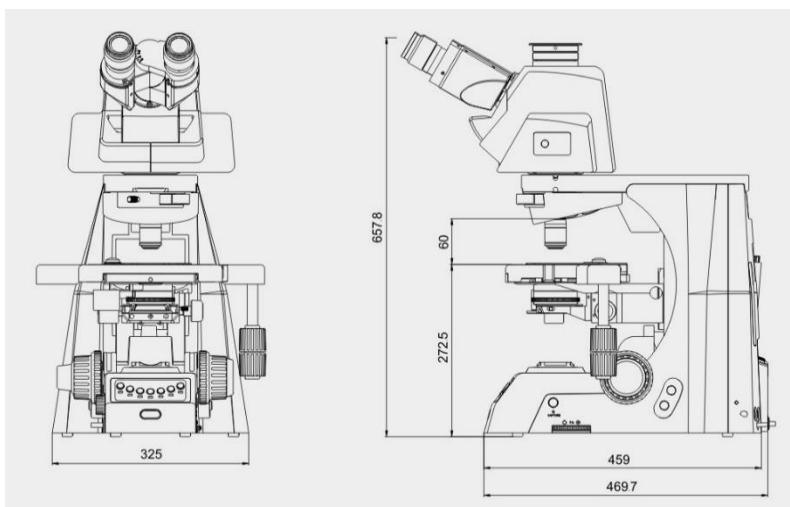


2 Viewing heads (Side to Side)



5 Viewing heads

Dimension



Unit:mm

36. BS-2083F Research Fluorescent Biological Microscope



Introduction

BS-2083F biological fluorescent microscope has been designed to present a safe, comfortable and precision observation experience. The motorized nosepiece and condenser will make your works easier. B, G, U, V, R fluorescent filters are available. With perfectly performed structure, high-definition optical image and ergonomical operating system, BS-2083F realizes professional analysis and meets all the needs of research in biological, medical, life science and other fields.

Features

1. Sapphire Glass Stage Insert.



Mechanical stage with sapphire glass insert is durable, never could be scratched and allows users to clear the stage easily.

2. Put Slide by One Hand.



It is easy for users to put slides by one hand due to the special designed slide clip.

3. Image Capture Button.



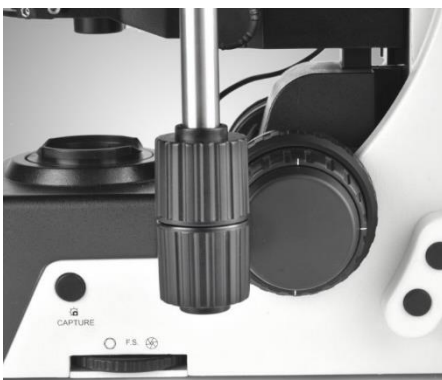
There is a cable from the microscope, the cable could be connected to the digital camera, after connection, just press the "CAPTURE" button at the right side of the microscope base, then you could capture the image easily.

4. Tilting Trinocular Head.



- (1) The eye tube can be adjusted from 0°-35°.
- (2) Digital cameras or DSLR cameras can be connected to the trinocular tube.
- (3) The beam splitter has 3-position (100:0, 20:80, 0:100).
- (4) The splitter bar can be assembled on the either side according to user's requirements.

5. Low-Position Focusing System.



Very precise coaxial focusing system with fine division of 1 μ m, it comes with low-position coarse and fine focusing knobs, the ergonomic design provides comfortable experience for users.

6. Motorized Objective Change.



Objectives could be switched by simply pressing the buttons. Users could also self-define two of the most commonly used objectives and switch between them with the green button.

The illumination has connection with the objective, when the objective is changed, the light intensity will also be changed accordingly.

7. Nosepiece Rotating Buttons.



This microscope has the function of motorized rotating nosepiece with the 2 buttons.

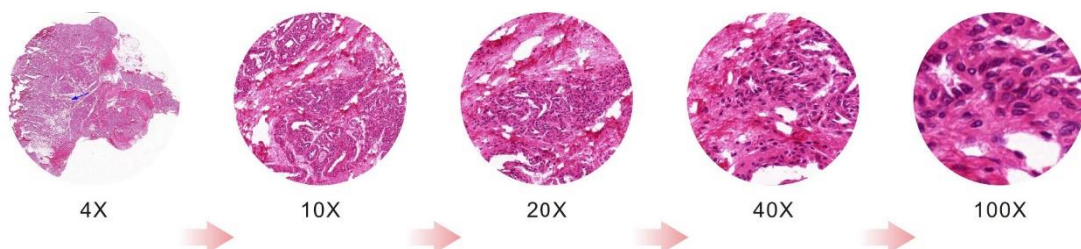
8. Motorized Swing-out Condenser.



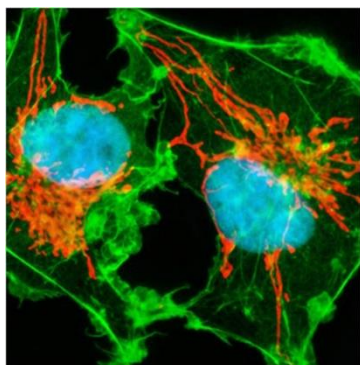
The top-lens on the condenser will be automatically swing-in or swing-out according to the objective lens that is selected.

9. Light Intensity Management.

The illumination has connection with the objective, when the objective is changed, the light intensity will also be changed accordingly. Thus, from low to high magnification, the field of view maintains the same brightness. There is no need to manually adjust the intensity of the light and also reduce eye fatigue. The long-life LED light source ensures uniform brightness while is easy to maintain.



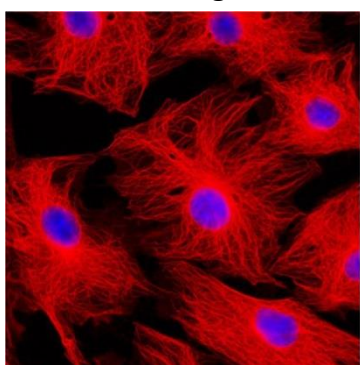
10. 6-Position Turret for fluorescent filter blocks.



All the fluorescent filter blocks use the high-performance filter lens. Up to 6 filter blocks can be installed in the turret, that allows users to view different stained specimens at the same time.

Animal Fiber Cell

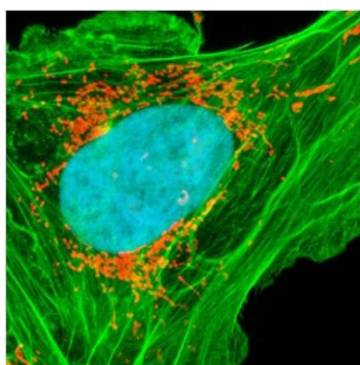
11. Fine focusing knob can be installed to left or right.



Customers can choose the position of the fine focusing knob to be right or left, according to their preferences.

Kidney Epithelial Cell

12. Light Intensity Management.



The light intensity can be automatically switched according to the objectives, no need to adjust the brightness manually. The long life LED lamp can keep the light intensity and easy for maintenance.

Osteosarcoma Cell

Application

This microscope is an ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

Specification

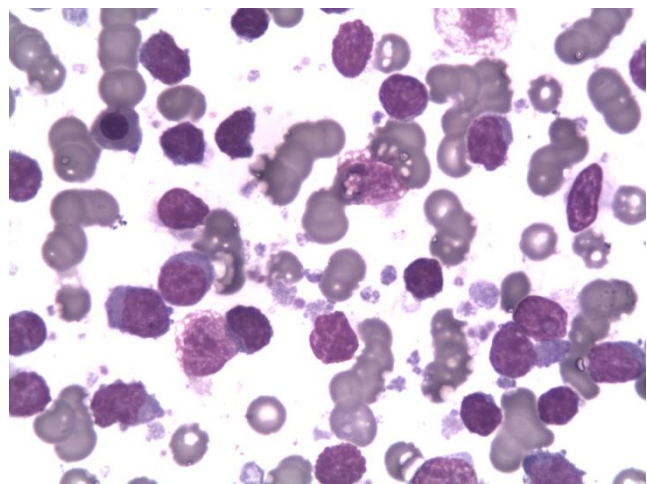
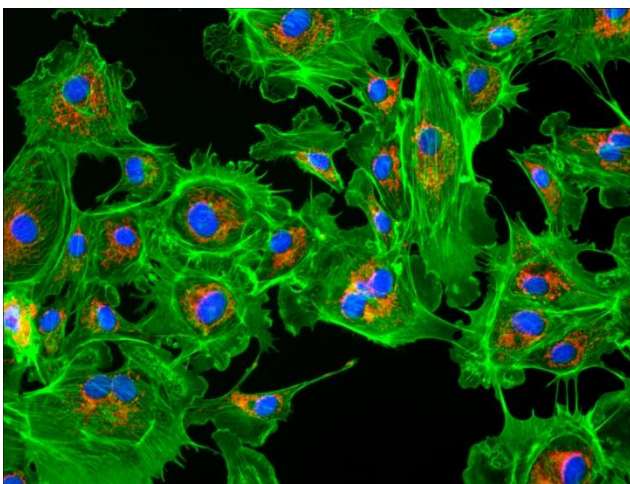
Item	Specification	BS-2083F
Optical System	NIS60 Infinite Color Corrected Optical System	•

Viewing Head	Ergo Tilting Trinocular Head, adjustable 0-35° inclined, interpupillary distance 47mm-78mm; splitting ratio Eyepiece:Trinocular=100:0 or 20:80 or 0:100		●
	Seidentopf Trinocular Head, 30° inclined, interpupillary distance: 47mm-78mm; splitting ratio Eyepiece:Trinocular=100:0 or 20:80 or 0:100		○
	Seidentopf Binocular Head, 30° inclined, interpupillary distance: 47mm-78mm		○
Eyepiece	Super wide field plan eyepiece SW10X/25mm, diopter adjustable		●
	Super wide field plan eyepiece SW10X/22mm, diopter adjustable		○
	Extra wide field plan eyepiece EW12.5X/16mm, diopter adjustable		○
	Wide field plan eyepiece WF15X/16mm, diopter adjustable		○
	Wide field plan eyepiece WF20X/12mm, diopter adjustable		○
Objective	N-PLN Plan Objective	N-PLN 2X/NA=0.06, WD=7.5mm	○
		N-PLN 4X/NA=0.10, WD=30mm	●
		N-PLN 10X/NA=0.25, WD=10.2mm	●
		N-PLN 20X/NA=0.40, WD=12mm	●
		N-PLN 40X/NA=0.65, WD=0.7mm	●
		N-PLN 100X(Oil)/NA=1.25, WD=0.2mm	●
		N-PLN 50X(Oil)/NA=0.95, WD=0.19mm	○
		N-PLN 60X/NA=0.80, WD=0.3mm	○
	N-PLN PH Plan Phase Contrast Objective	N-PLN PH 10X/NA=0.25, WD=10.2mm	○
		N-PLN PH 20X/NA=0.40, WD=12mm	○
		N-PLN PH 40X/NA=0.65, WD=0.7mm	○
		N-PLN PH 100X(Oil)/NA=1.25, WD=0.2mm	○
	N-PLFN Plan Semi-apochromatic Fluorescent Objective	N-PLFN 4X/NA=0.13, WD=17.2mm	○
		N-PLFN 10X/NA=0.30, WD=16.0mm	○
		N-PLFN 20X/NA=0.50, WD=2.1mm	○
		N-PLFN 40X/NA=0.75, WD=1.5mm	○
N-PLFN 100X(Oil)/NA=1.4, WD=0.16mm		○	
Nosepiece	Motorized Backward Sextuple Nosepiece (with DIC slot)		●
Condenser	Swing-out type condenser N.A.0.9/0.25(Auto)		●
	Turret Phase Contrast Condenser		○
	Dark-field Condenser (Dry), used for objectives lower than 100X		○
	Dark-field Condenser (Oil), used for 100X objective		○
Transmitted Illumination	3W S-LED lamp, center pre-set, intensity adjustable		●
	12V/100W halogen lamp, center pre-set, intensity adjustable		○
Focusing	Low-position coaxial coarse and fine focusing, fine division 1μm, Moving range 35mm		●
Stage	Double layers mechanical stage, size 190mmX152mm; moving range 78mmX54mm (double slides holder, Right or left handle); precision: 0.1mm; with Sapphire Crystal Glass Insert		●
	Double layers mechanical stage, size 190mmX152mm; moving range78mmX54mm (double slides holder, Right or left handle); precision: 0.1mm		○
DIC Kit	10X DIC Objective Lens		○
	20X DIC Objective Lens		○

	Polarizer for DIC Kit	○
	DIC insert plate(10X/20X), can be inserted into the DIC slot on nosepiece	○
	DIC insert plate(40X/100X) can be inserted into the DIC slot on nosepiece	○
	DIC Turret Condenser	○
Reflected fluorescence illuminator	Turret with 6 filter block cubes position, with iris field diaphragm and aperture diaphragm, central adjustable; with filter slot and polarizing slot; with fluorescence filters (B,G fluorescent filters).	●
	U,V,R fluorescent filters	○
	100W mercury lamp house, filament center and focus adjustable; with reflected mirror, mirror center and focus adjustable.	●
	3W LED lamps for B, G, U, V, B1, R filters, filament center and focus adjustable; with reflected mirror, mirror center and focus adjustable.	○
	Digital power controller, wide voltage 100-240VAC	●
	ND6/ND25 Filter	○
Other Accessories	0.5X C-mount Adapter	○
	1X C-mount Adapter	○
	Dust Cover	●
	Power Cord	●
	Cedar Oil 5ml	●
	Simple Polarizing kit	○
	Calibration slide 0.01mm	○
	Multi Viewing Attachment for 2/3/5/7/10 person	○

Note: ● Standard Outfit, ○ Optional

Sample Image



Accessories

1. N-PLN Series Plan Objectives.



The Plan objectives can provide flat high transmittance image from visible light to NIR light. They are usually used for bright-field viewing as the high signal-to-noise, high resolution and high contrast features.

2. N-PLN PH Series Plan Phase Contrast Objectives.



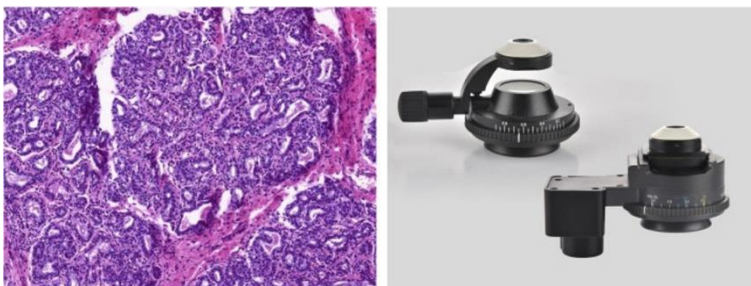
These plan phase contrast objectives are specially designed for phase contrast observation. They are good choice for clinic and scientific research. These objectives can provide advanced flat image of 25mm FOV under transmitted bright field.

3. N-PLFN Series Plan Semi-APO Fluorescent Objectives.



Owe to the multilayers coating technology, these Semi-APO objectives can compensate the spherical aberration and the chromatic aberration from ultraviolet and infrared light. High-sensitive fluorescence performance of the objectives ensures the sharpness, definition and color rendition of images.

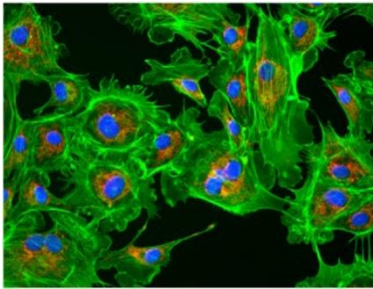
4. Bright field Viewing.



Mammary Gland (active stage)

Brighter image, high resolution and flatness, suitable for all the magnifications.

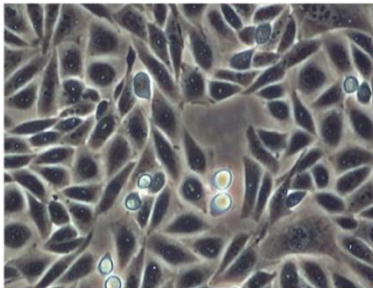
5. Fluorescent Viewing.



Arterial Cell

The compact epi-fluorescent components include noise elimination feature which ensures images captured are bright, with high contrast and high signal-to-noise ratio.

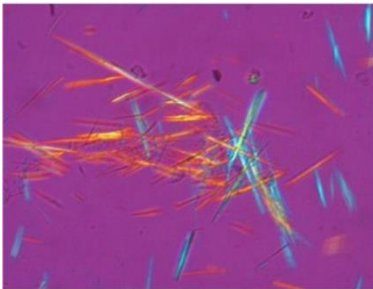
6. Phase Contrast Viewing.



Rat Ovarian Cell

Users can get high contrast image of neutral background color whatever the magnification is. It is suitable for viewing non-stained specimen.

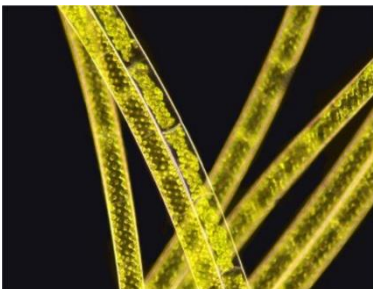
7. Polarizing Viewing.



Uric Acid Crystal

It is quite suitable for viewing collagen, amyloid and crystal etc., double refracting specimens.

8. Dark-field Viewing.



Spirogyra

It can be used for clearly viewing of blood or flagellum etc., fine structure.

9. Multi Viewing Heads.



2 Viewing heads (Face to Face)



2 Viewing heads (Side to Side)



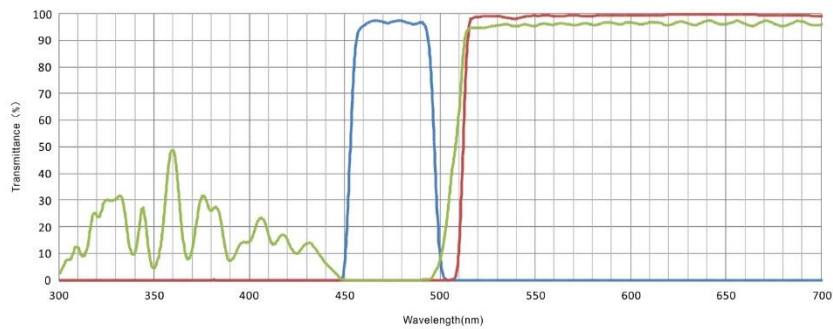
5 Viewing heads

10. Fluorescent filters.

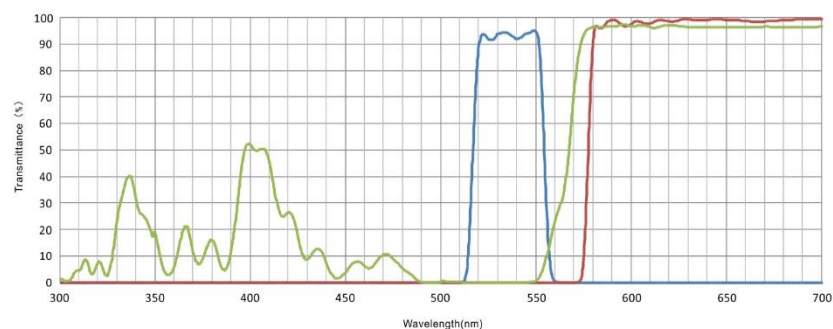


Model	Description	Excitation	Dichroic Mirror	Barrier Filter
FL-B	B filter block	BP460-495	DM505	BA510
FL-B1	B1 filter block	BP460-495	DM505	BA510-550
FL-G	G filter block	BP510-550	DM570	BA575
FL-U	U filter block	BP330-385	DM410	BA420
FL-V	V filter block	BP400-410	DM455	BA460
FL-R	R filter block	BP620-650	DM660	BA670-750
FL-O	Fluorescent Block without filters	Optional Excitation and Barrier Filters is Φ 25mm, Dichroic Mirror is 5.8X37.5/1mm, the filters can be installed in the block.		

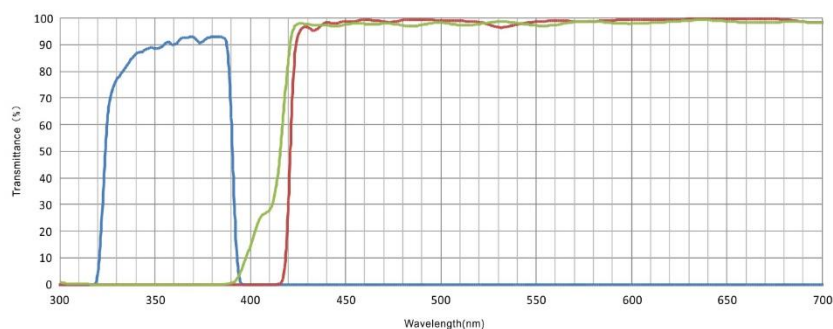
Spectral range



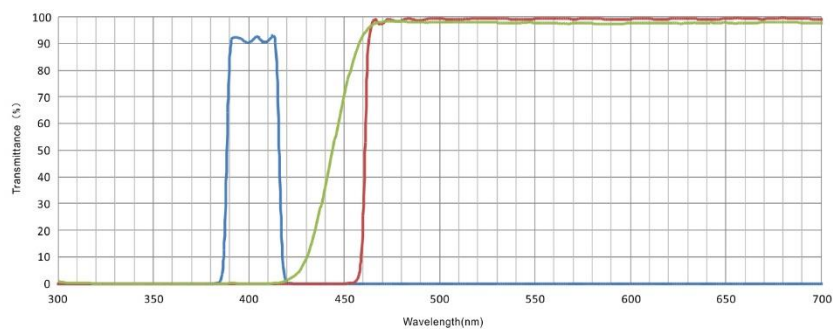
- FL-B
- BP 460-495
 - DM 505
 - BA 510IF



- FL-G
- BP 510-550
 - DM 570
 - BA 575IF

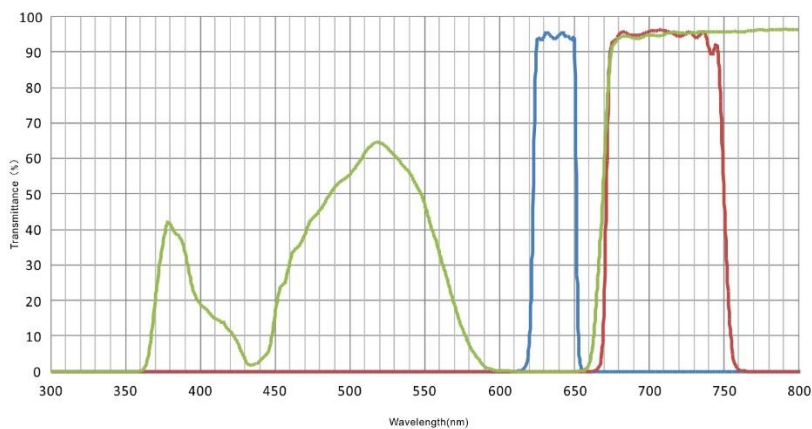


- FL-U
- BP 330-385
 - DM 410
 - BA 420IF

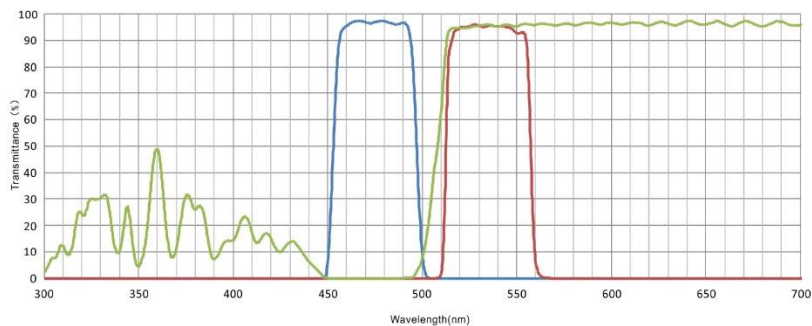


- FL-V
- BP 400-410
 - DM 455
 - BA 460IF

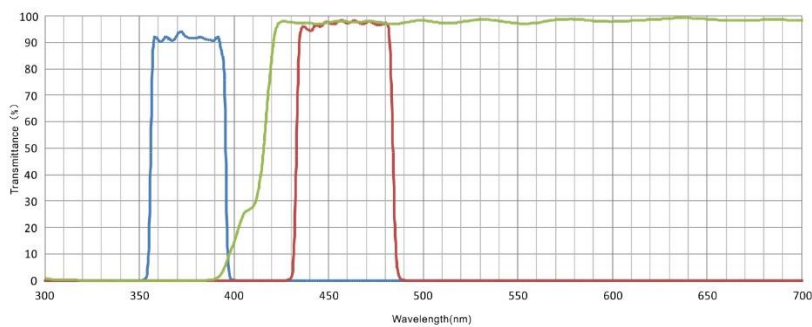
Spectral range



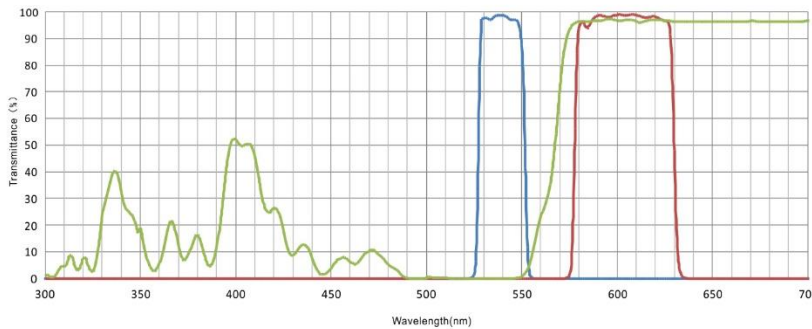
- FL-R
- BP620-650
 - DM660
 - BA670-750



- FL-FITC
- BP460-495
 - DM505
 - BA510-550

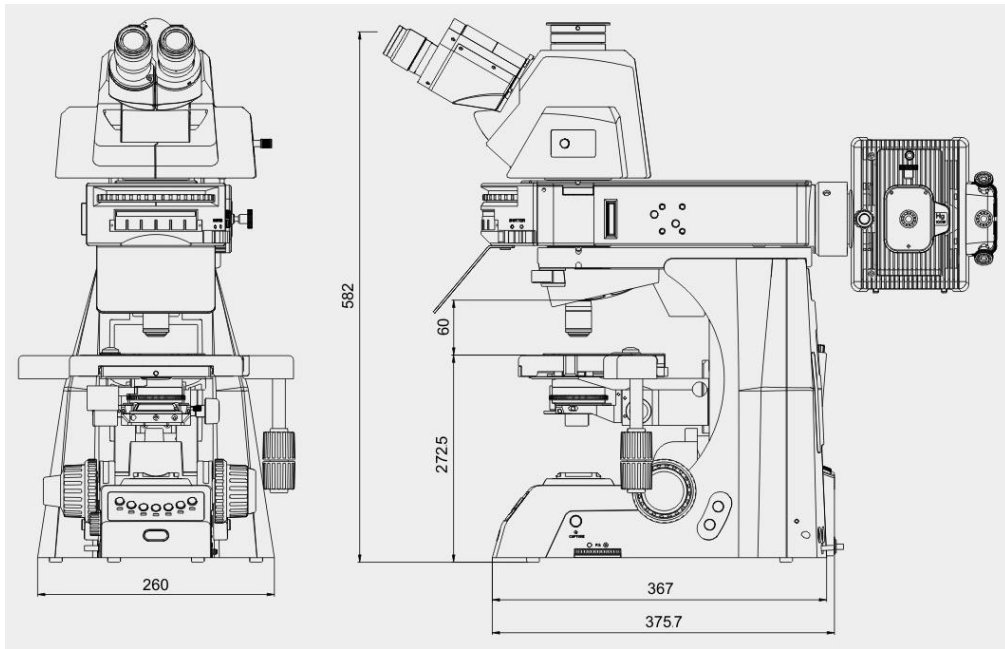


- FL-DAPI
- BP360-390
 - DM415
 - BA435-485



- FL-TRITC
- BP528-553
 - DM565
 - BA578-633

Dimension



Unit:mm

37. BS-2085 Motorized Automatic Biological Microscope



BS-2085



BS-2085F

Introduction

BS-2085 motorized automatic biological microscopes have been designed to present a safe, comfortable and precision observation experience. The motorized nosepiece, X-Y stage, condenser and auto focusing will make your works easier. The software has motion controlling, depth of field fusion, objective lens switching, brightness controlling, auto focusing, area scanning, image stitching, 3D imaging functions. Semi-APO objectives and B, G, U, V, R fluorescent filters are available for BS-2085F fluorescent automatic biological microscope. With perfectly performed structure, high-definition optical image and ergonomical operations, BS-2085/FMA realize professional analysis and meet all the needs of research in biological, medical, life science and other fields.

Features

1. Adopt stepper motor and screw driving mode.



Adopt stepper motor and screw driving mode, the screw pitch is consistent and the positioning accuracy is high.

2. Tilting Trinocular Head.



- (1) The eye tube can be adjusted from 0°-35°.
- (2) Digital cameras or DSLR cameras can be connected to the trinocular tube.
- (3) The beam splitter has 3-position (100:0, 20:80, 0:100).
- (4) The splitter bar can be assembled on the either side according to user's requirements.

3. Motorized Objective Change.



Objectives could be switched by simply pressing the buttons. Users could also self-define two of the most commonly used objectives and switch between them with the green button.

The illumination has connection with the objective, when the objective is changed, the light intensity will also be changed accordingly.

4. Nosepiece Rotating Buttons.



This microscope has the function of motorized rotating nosepiece with the 2 buttons.

5. Motorized Swing-out Condenser.



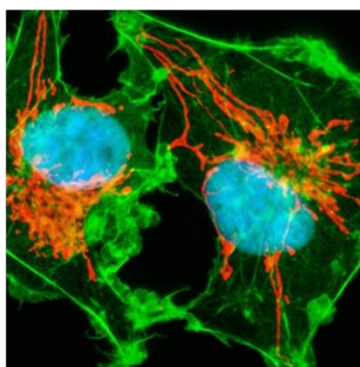
The top-lens on the condenser will be automatically swing-in or swing-out according to the objective lens that is selected.

6. Light Intensity Management.

The illumination has connection with the objective, when the objective is changed, the light intensity will also be changed accordingly. Thus, from low to high magnification, the field of view maintains the same brightness. There is no need to manually adjust the intensity of the light and also reduce eye fatigue. The long-life LED light source ensures uniform brightness while is easy to maintain.



7. 6-Position Turret for fluorescent filter blocks.



All the fluorescent filter blocks use the high-performance filter lens. Up to 6 filter blocks can be installed in the turret, that allows users to view different stained specimens with a turret.

Animal Fiber Cell

8. Can be controlled by the control handle and controller, also can be controlled by software.



Control Handle



NMC-3 Controller

This microscope can realize LED brightness, objective lens switching, auto focus, and electric adjustment of XYZ axis through the NMC-3 controller and control handle. The software can realize depth of field fusion, objective lens switching, brightness control, auto focus, area scanning, image stitching, 3D imaging and other functions.

Application

This motorized automatic microscope is an ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

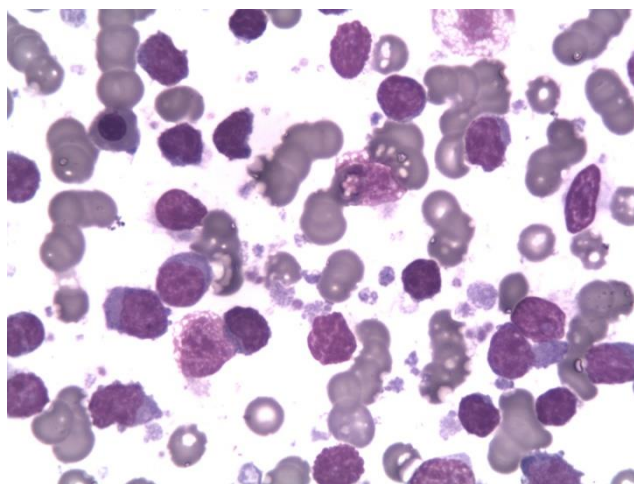
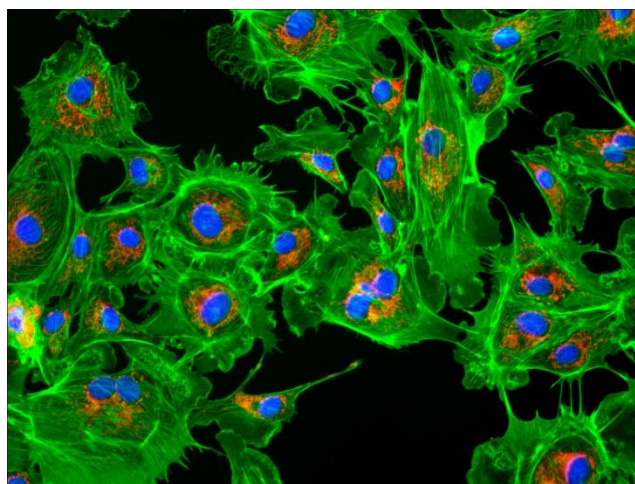
Specification

Item	Specification	BS-2085	BS-2085F	
Optical System	NIS60 Infinite Color Corrected Optical System	●	●	
Viewing Head	Ergo Tilting Trinocular Head, adjustable 0-35° inclined, interpupillary distance 47mm-78mm; splitting ratio Eyepiece:Trinocular=100:0 or 20:80 or 0:100	●	●	
	Seidentopf Trinocular Head, 30° inclined, interpupillary distance: 47mm-78mm; splitting ratio Eyepiece:Trinocular=100:0 or 20:80 or 0:100	○	○	
	Seidentopf Binocular Head, 30° inclined, interpupillary distance: 47mm-78mm	○	○	
Eyepiece	Super wide field plan eyepiece SW10X/25mm, diopter adjustable	●	●	
	Super wide field plan eyepiece SW10X/22mm, diopter adjustable	○	○	
	Extra wide field plan eyepiece EW12.5X/16mm, diopter adjustable	○	○	
	Wide field plan eyepiece WF15X/16mm, diopter adjustable	○	○	
	Wide field plan eyepiece WF20X/12mm, diopter adjustable	○	○	
Objective	N-PLN Plan Objective	N-PLN 2X/NA=0.06, WD=7.5mm	○	○
		N-PLN 4X/NA=0.10, WD=30mm	●	●
		N-PLN 10X/NA=0.25, WD=10.2mm	●	●
		N-PLN 20X/NA=0.40, WD=12mm	●	●
		N-PLN 40X/NA=0.65, WD=0.7mm	●	●
		N-PLN 100X(Oil)/NA=1.25, WD=0.2mm	●	●
		N-PLN 50X(Oil)/NA=0.95, WD=0.19mm	○	○
		N-PLN 60X/NA=0.80, WD=0.3mm	○	○
		N-PLN-I 100X (Oil, with Iris Diaphragm)/NA=0.5-1.25, WD=0.2mm	○	○
	N-PLN PH Plan Phase Contrast Objective	N-PLN PH 10X/NA=0.25, WD=10.2mm	○	○
		N-PLN PH 20X/NA=0.40, WD=12mm	○	○
		N-PLN PH 40X/NA=0.65, WD=0.7mm	○	○
		N-PLN PH 100X(Oil)/NA=1.25, WD=0.2mm	○	○
	N-PLFN Plan Semi-apochromatic Fluorescent Objective	N-PLFN 4X/NA=0.13, WD=17.2mm	○	○
		N-PLFN 10X/NA=0.30, WD=16.0mm	○	○
N-PLFN 20X/NA=0.50, WD=2.1mm		○	○	
N-PLFN 40X/NA=0.75, WD=1.5mm		○	○	
N-PLFN 100X(Oil)/NA=1.4, WD=0.16mm		○	○	
Nosepiece	Motorized Backward Sextuple Nosepiece (with DIC slot)	●	●	
Condenser	Swing-out type condenser N.A.0.9/0.25(Auto)	●	●	
	Turret Phase Contrast Condenser	○	○	
	Dark-field Condenser (Dry), used for objectives lower than 100X	○	○	
	Dark-field Condenser (Oil), used for 100X objective	○	○	
Transmitted Illumination	3W S-LED lamp, center pre-set, intensity adjustable	●	●	
	12V/100W halogen lamp, center pre-set, intensity adjustable	○	○	
Focusing	Motorized auto focusing, fine division 0.1μm, Max. speed 10 r/s, moving range: 30mm	●	●	

Stage	Motorized double layers mechanical stage, size 275 X 239 X 44.5 mm; moving range 125mmX75mm (X-Y); precision: 0.1μm, Max. Speed: 20mm/s	●	●
DIC Kit	10X DIC Objective Lens	○	○
	20X DIC Objective Lens	○	○
	Polarizer for DIC Kit	○	○
	DIC insert plate(10X/20X), can be inserted into the DIC slot on nosepiece	○	○
	DIC insert plate(40X/100X) can be inserted into the DIC slot on nosepiece	○	○
	DIC Turret Condenser	○	○
Reflected fluorescence illuminator	Turret with 6 filter block cubes position, with iris field diaphragm and aperture diaphragm, central adjustable; with filter slot and polarizing slot; with fluorescence filters (B,G fluorescent filters).	○	●
	B1, U, V, R fluorescent filters	○	○
	100W mercury lamp house, filament center and focus adjustable; with reflected mirror, mirror center and focus adjustable.	○	●
	Digital power controller, wide voltage 100-240VAC	○	●
	ND6/ND25 Filter	○	○
Control Handle	3D control handle, 4 gears speed	●	●
Controller	Communication interface: USB2.0 and RS232	●	●
Other Accessories	0.5X C-mount Adapter	○	○
	USB3.0 Digital camera(5.0MP, Sony IMX250, 2/3" CMOS sensor, 35fps@2448x2048)	○	○
	1X C-mount Adapter	○	○
	Dust Cover	●	●
	Power Cord	●	●
	Cedar Oil 5ml	●	●
	Simple Polarizing kit	○	○
	Calibration slide 0.01mm	○	○
	Multi Viewing Attachment for 2/3/5/7/10 person	○	○

Note: ● Standard Outfit, ○ Optional

Sample Image



Accessories

1. N-PLN Series Plan Objectives.



The Plan objectives can provide flat high transmittance image from visible light to NIR light. They are usually used for bright-field viewing as the high signal-to-noise, high resolution and high contrast features.

2. N-PLN PH Series Plan Phase Contrast Objectives.



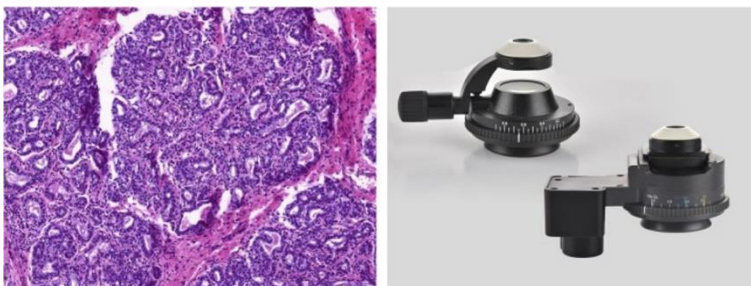
These plan phase contrast objectives are specially designed for phase contrast observation. They are good choice for clinic and scientific research. These objectives can provide advanced flat image of 25mm FOV under transmitted bright field.

3. N-PLFN Series Plan Semi-APO Fluorescent Objectives.



Owe to the multilayers coating technology, these Semi-APO objectives can compensate the spherical aberration and the chromatic aberration from ultraviolet and infrared light. High-sensitive fluorescence performance of the objectives ensures the sharpness, definition and color rendition of images.

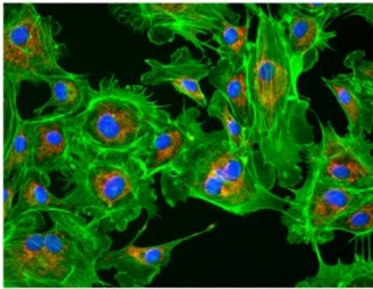
4. Bright field Viewing.



Mammary Gland (active stage)

Brighter image, high resolution and flatness, suitable for all the magnifications.

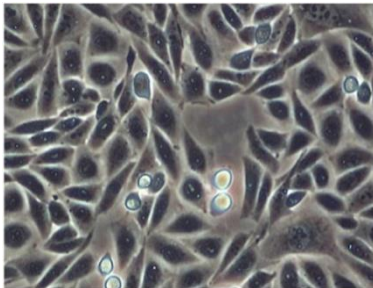
5. Fluorescent Viewing.



Arterial Cell

The compact epi-fluorescent components include noise elimination feature which ensures images captured are bright, with high contrast and high signal-to-noise ratio.

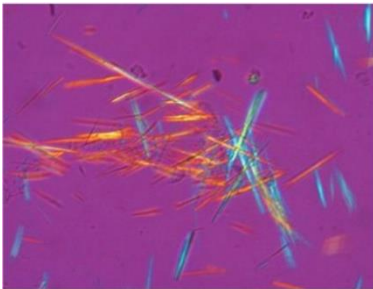
6. Phase Contrast Viewing.



Rat Ovarian Cell

Users can get high contrast image of neutral background color whatever the magnification is. It is suitable for viewing non-stained specimen.

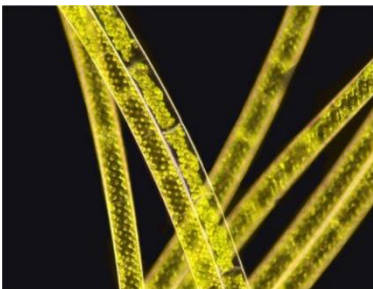
7. Polarizing Viewing.



Uric Acid Crystal

It is quite suitable for viewing collagen, amyloid and crystal etc., double refracting specimens.

8. Dark-field Viewing.



Spirogyra

It can be used for clearly viewing of blood or flagellum etc., fine structing.

9. Multi Viewing Heads.



2 Viewing heads (Face to Face)



2 Viewing heads (Side to Side)



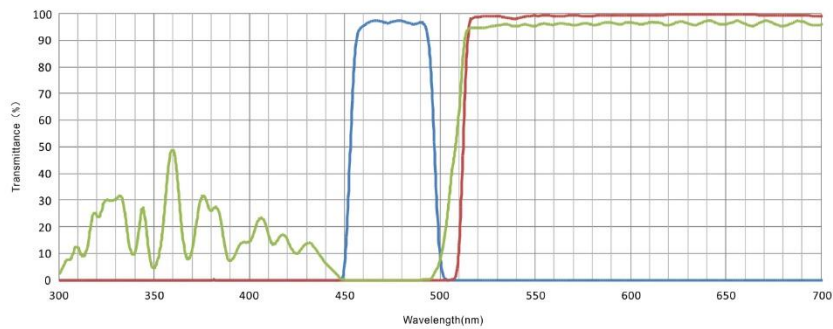
5 Viewing heads

10. Fluorescent filters.

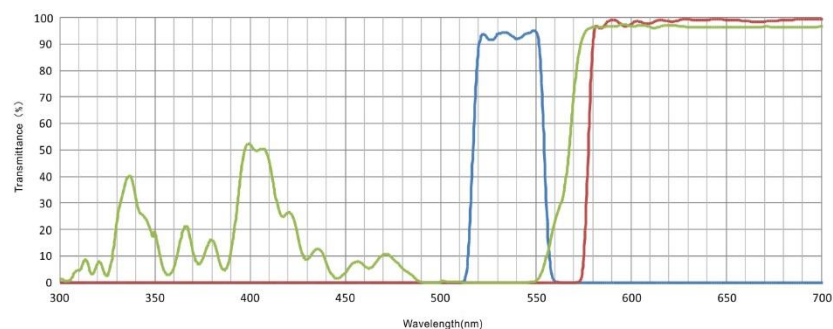


Model	Description	Excitation	Dichroic Mirror	Barrier Filter
FL-B	B filter block	BP460-495	DM505	BA510
FL-B1	B1 filter block	BP460-495	DM505	BA510-550
FL-G	G filter block	BP510-550	DM570	BA575
FL-U	U filter block	BP330-385	DM410	BA420
FL-V	V filter block	BP400-410	DM455	BA460
FL-R	R filter block	BP620-650	DM660	BA670-750
FL-O	Fluorescent Block without filters	Optional Excitation and Barrier Filters is Φ 25mm, Dichroic Mirror is 5.8X37.5/1mm, the filters can be installed in the block.		

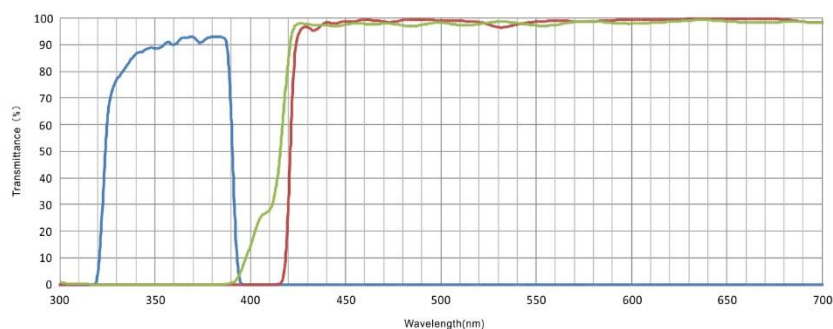
Spectral range



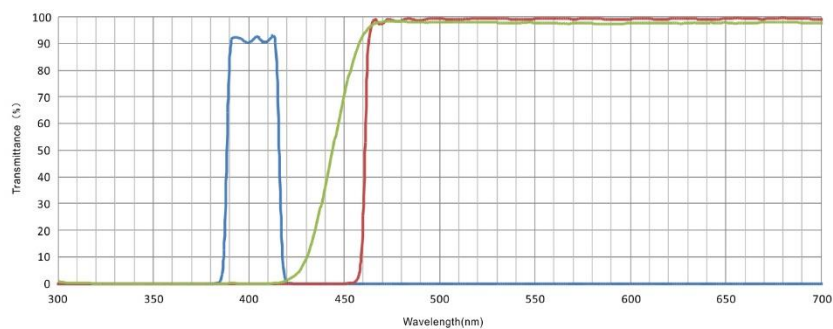
- FL-B
- BP 460-495
 - DM 505
 - BA 510IF



- FL-G
- BP 510-550
 - DM 570
 - BA 575IF

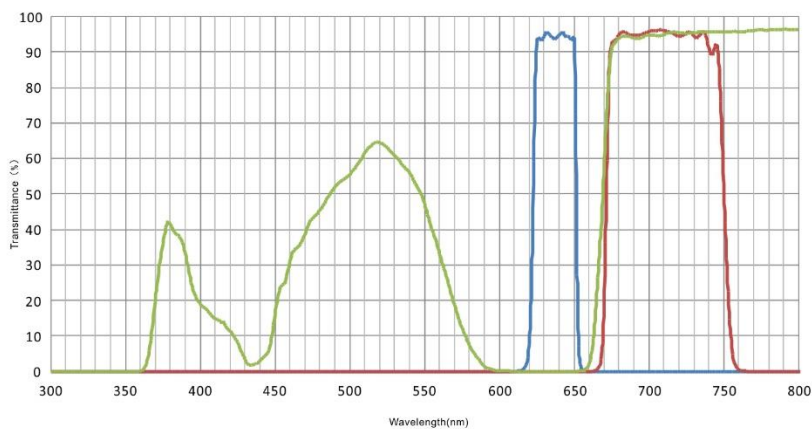


- FL-U
- BP 330-385
 - DM 410
 - BA 420IF

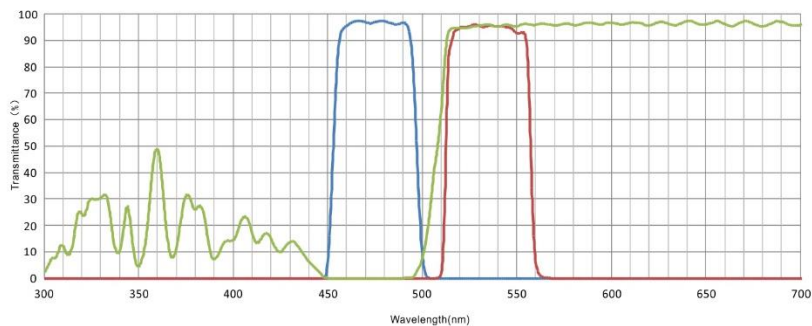


- FL-V
- BP 400-410
 - DM 455
 - BA 460IF

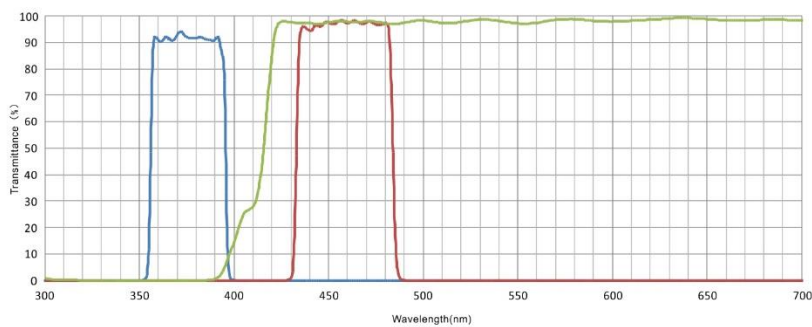
Spectral range



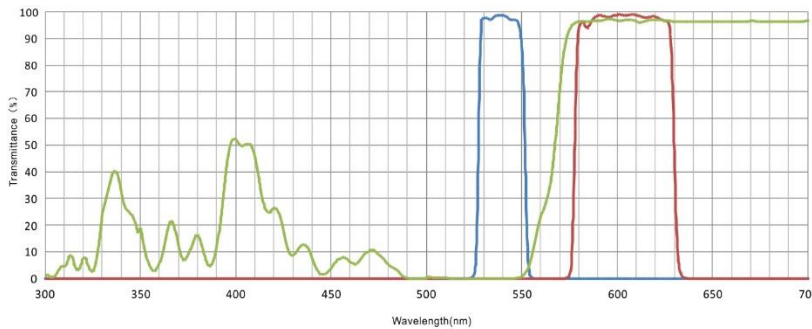
- FL-R
- BP620-650
 - DM660
 - BA670-750



- FL-FITC
- BP460-495
 - DM505
 - BA510-550



- FL-DAPI
- BP360-390
 - DM415
 - BA435-485



- FL-TRITC
- BP528-553
 - DM565
 - BA578-633

38. BS-2090 Inverted Biological Microscope




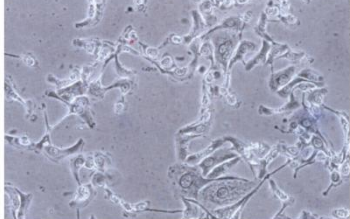
Introduction

BS-2090 Inverted Biological Microscope is a high level microscope which is specially designed for medical and health units, universities, research institutes to observe cultured living cells. With an innovative optical and structure design idea, excellent optical performance and easy to operate system, this inverted biological microscope makes your works enjoyable.

Feature

1. Excellent optical function with infinite optical system.
2. Innovative stand structure, sharp image display, convenient and special for viewing incubating cell tissue.

	<p>With LWD Infinite Plan Objective, Making Viewing Field Flatter and Brighter, Contrast Sharper, Living Cell Observing easier</p>
	<p>Advanced and Reliable Mechanical Stage with Knob Height and Tightness Adjustable</p>

	Different Holders for Various Observations
	With pre-centerable Phase Annulus, Available to Observe Low Contrast or Transparent Specimens

Application

BS-2090 Inverted microscope is used by medical and health units, universities, research institutes for observations of micro-organisms, cells, bacteria and tissue cultivation. It can be used for continuous observation of process of cells, bacteria grow and divide in the culture medium. Videos and images can be taken during the process. This microscope is widely used in cytology, parasitology, oncology, immunology, genetic engineering, industrial microbiology, botany and other fields.

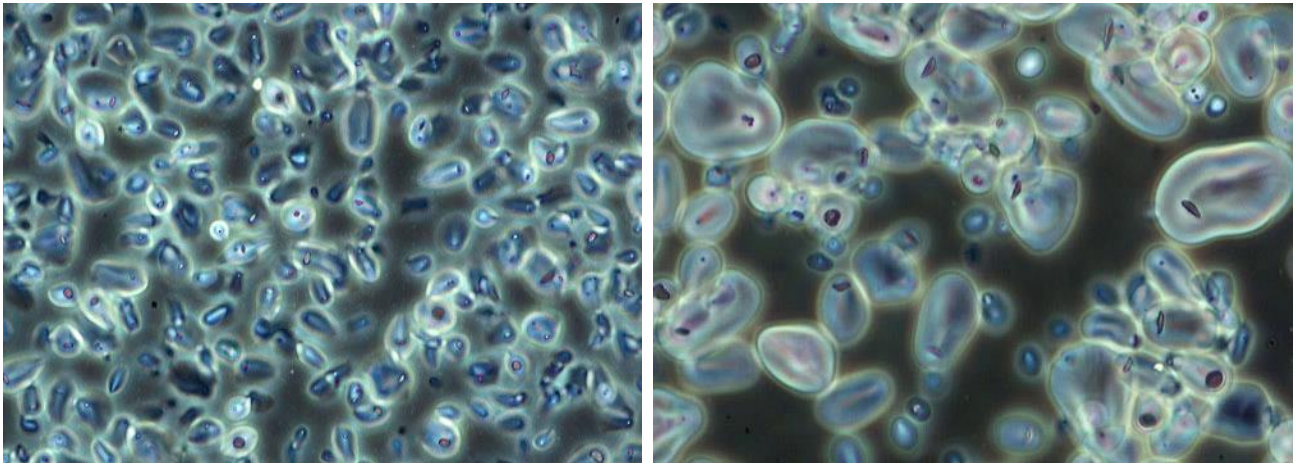
Specification

Item	Specification	BS-2090	
Optical System	Infinite Optical System	●	
Viewing Head	Trinocular Head, Inclined at 30°, Interpupillary Distance 48-75mm	●	
Eyepiece	High-point, Extra Wide Field Eyepiece EW10×/ 22mm	●	
Objective	LWD(Long Working Distance) Infinite Plan Objective	4×/ 0.1, WD 17.3mm	●
		10×/ 0.25, WD 10mm	○
		20×/ 0.4, WD 5.1mm	○
		40×/ 0.6, WD 2.1mm	●
	Infinite Plan Phase Objective	PH10×/ 0.25, WD 10 mm	●
		PH20×/ 0.4, WD 5.1mm	●
PH40×/ 0.6, WD 2.1m		○	
Nosepiece	Quintuple Nosepiece	●	
Condenser	ELWD(Extra Long Working Distance) Condenser NA 0.3, LWD 72mm (Without Condenser the WD can be 150mm)	●	
Centering	Centering Telescope (Φ30mm)	○	
Phase Annulus	10×-20×, 40× Phase Annulus Plate (Fixed)	●	
	10×-20×, 40× Phase Annulus Plate (Adjustable)	○	
Stage	Plain Stage 160×250mm	●	
	Glass Insert	●	
	Attachable Mechanical Stage, X-Y Coaxial Control, Moving Rang 120mm×78mm	○	
	Auxiliary Stages 70mm×180mm	●	
	Terasaki Holder	○	

	Petri Dish Holder Φ 35mm	○
	Slide Glass Holder Φ 54mm	○
	Petri Dish Holder Φ 90mm	○
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range up 8mm, down 3mm	●
Illumination	6V/30W Halogen Lamp	●
	3W LED	○
Filter	Blue, Green and Frosted filters, Diameter 45mm	●
Accessories	Photo Adapter for Nikon and Canon DSLR cameras	○
	Video Adapter 1× / 0.5× C-mount	○
	Inverted Fluorescent Attachment FI-100	○
Package	1carton/set, 46.5cm*39.5cm*64cm, 16kg	●

Note: ● Standard Outfit, ○ Optional

Sample Image



39. BS-2092 Inverted Biological Microscope



Note: The DSLR camera is not included

Introduction

BS-2092 Inverted Biological Microscope is a high level microscope which is specially designed for medical and health units, universities, research institutes to observe cultured living cells. It adopts an Infinite optical system, reasonable structure and ergonomic design. With an innovative optical and structure design idea, excellent optical performance and easy to operate system, this inverted biological microscope makes your works enjoyable. It has a trinocular head, so digital camera or digital eyepiece can be add to the trinocular head take photos and videos.

Feature

1. Excellent optical function with infinite optical system.
2. DSLR(Digital Single Lens Reflex) and microscope digital camera can be used together for image and video capture.
3. Innovative stand structure, sharp image display, convenient and special for viewing incubating cell tissue.
4. With LWD Infinite Plan Objective, Making Viewing Field Flatter and Brighter, Contrast Sharper, Living Cell Observing easier.
5. Advanced and Reliable Mechanical Stage with Knob Height and Tightness Adjustable.
6. With pre-centerable Phase Annulus, Available to Observe Low Contrast or Transparent Specimens.

Application

BS-2092 Inverted microscope is used by medical and health units, universities, research institutes for observations of micro-organisms, cells, bacteria and tissue cultivation. It can be used for continuous observation of process of cells, bacteria grow and divide in the culture medium. Videos and images can be taken during the process. This microscope is widely used in cytology, parasitology, oncology, immunology, genetic engineering, industrial microbiology, botany and other fields.

Specification

Item	Specification	BS-2092
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Optical System	Infinite Optical System	●	
Viewing Head	Seidentopf Trinocular Head, Inclined at 45°, Interpupillary Distance 48-75mm	●	
Eyepiece	Wide Field Eyepiece WF10×/ 20mm, Eyepiece Tube Diameter 30mm	●	
	Wide Field Eyepiece WF15×/ 16mm	○	
	Wide Field Eyepiece WF20×/ 12mm	○	
Objective	LWD(Long Working Distance) Infinite Plan Achromatic Objective 4×/ 0.1,WD 22mm	●	
	LWD(Long Working Distance) Infinite Plan Achromatic Phase Objective	10×/ 0.25, WD 6mm	●
		20×/ 0.4, WD 3.1mm	●
		40×/ 0.55, WD 2.2mm	●
Lamp House Adjustment Objective	○		
Nosepiece	Backward Quintuple Nosepiece	●	
Condenser	ELWD(Extra Long Working Distance) Condenser NA 0.3, LWD 72mm (Without Condenser the WD is 150mm)	●	
Centering Telescope	Centering Telescope (Φ30mm)	●	
Phase Annulus	10×-20×, 40× Phase Annulus Plate(Fixed)	●	
	10×-20×, 40× Phase Annulus Plate(Adjustable)	○	
Stage	Plain Stage 170×230mm	●	
	Glass Insert	●	
	Attachable Mechanical Stage, X,Y Coaxial Control, Moving Rang120mm×80mm	●	
	Auxiliary Stages 70mm×180mm	●	
	Terasaki Holder	●	
	Petri Dish Holder Φ35mm	●	
	Slide Glass Holder Φ54mm	●	
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range up 4.5mm, down 4.5mm	●	
Illumination	Halogen Lamp 6V/30W, Brightness Adjustable	●	
	5W LED	○	
Filter	Blue, Green and Frosted Glass Filter, Diameter 45mm	●	
Accessories	23.2mm Photo tube Attachment(Used to connect microscope adapter and camera)	○	
	0.5× C-mount(Used to directly connect to a C-mount digital camera)	○	
	Epi-Fluorescent Attachment	○	
Package	1carton/set, 46.5cm*39.5cm*64cm, 18kg	●	

Note: ● Standard Outfit, ○ Optional

40. BS-2093A Inverted Biological Microscope



BS-2093A



BS-2093AF

Introduction

BS-2093A Inverted Biological Microscope is a high level microscope which is specially designed for medical and health units, universities, research institutes to observe cultured living cells. With an innovative infinite optical system and ergonomic design, it has excellent optical performance and easy to operate features. This inverted biological microscope makes your work enjoyable. Digital cameras can be added to the trinocular head to take photos, videos and make measurement.

Feature

1. Excellent infinite optical system, Wide field eyepiece, view field up to $\Phi 22\text{mm}$, more comfortable for observation.
2. More objectives can be installed on the large diameter quintuple nosepiece, easier to change objective.
3. Light distribution (both): 100 : 0 (100% for eyepiece); 80 : 20 (80% for trinocular head and 20% for eyepiece).

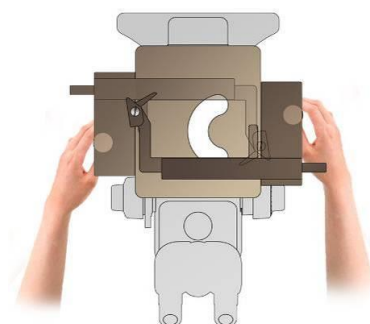


4. Long working distance condenser N.A. 0.30, Working distance: 72mm(with condenser), Working distance: 195mm (without condenser), available for extra high culture dishes.
5. Large size stage, convenient for research. Size: 210mm(X) \times 240 (Y)mm, Moving range: 128mm (X) \times 80 (Y)mm.

Mechanical stage available for 96 holes plate.



6. Culture Dish Holder



7. Knob of X-Y mechanical stage can be changed by left or right.

8. Infinite plan 4X phase contrast objective is available.



Application

BS-2093A Inverted microscope is used by medical and health units, universities, research institutes for observations of micro-organisms, cells, bacteria and tissue cultivation. It can be used for continuous observation of process of cells, bacteria grow and divide in the culture medium. Videos and images can be taken during the process. This microscope is widely used in cytology, parasitology, oncology, immunology, genetic engineering, industrial microbiology, botany and other fields.

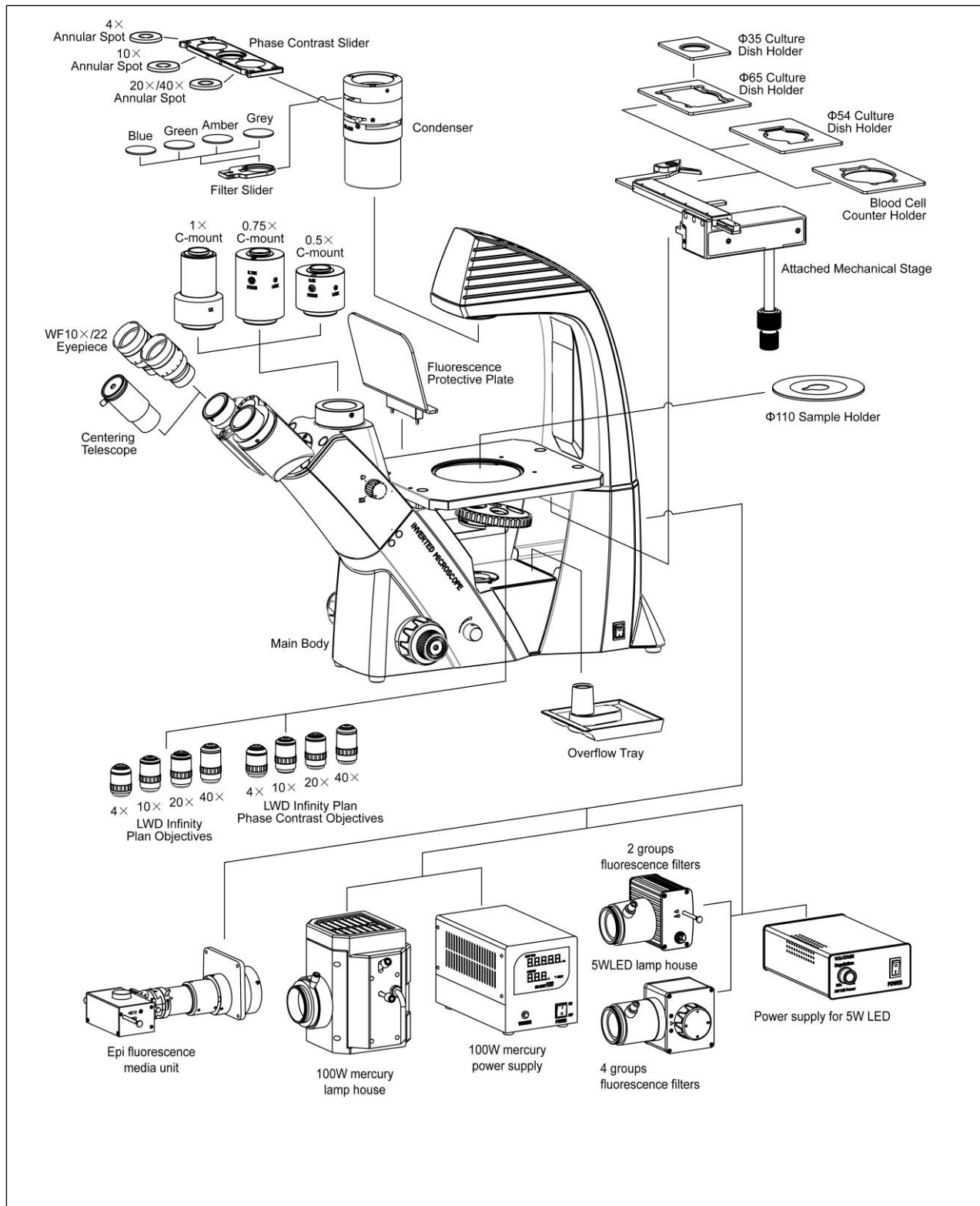
Specification

Item	Specification	BS-2093A	BS-2093AF	BS-2093 AF(LED)
Optical System	Infinite Optical System	•	•	•
Viewing Head	Seidentopf Trinocular Head, Inclined at 45°, Interpupillary Distance 48-76mm, Light distribution (both): 100: 0 (100% for eyepiece), 80:20 (80% for trinocular head, and 20% for eyepiece), Eyepiece Tube Diameter 30mm	•	•	•
Eyepiece	Wide Field Eyepiece WF10×/ 22mm	•	•	•
	Wide Field Eyepiece WF15×/ 16mm	○	○	○
	Wide Field Eyepiece WF20×/ 12mm	○	○	○
Objective	4×/0.11, W.D.=12.1mm	•	•	•

	Long Working Distance Infinite Plan Achromatic Objective	10×/0.25, W.D.=8.3mm	○	○	○
		20×/0.40, W.D.=7.2mm	○	○	○
		40×/0.60, W.D.=3.4mm	○	○	○
	Long Working Distance Infinite Plan Achromatic Phase Contrast Objective	4×/0.10, W.D.=9.2mm	○	○	○
		10×/0.25, W.D.=8.3mm	●	●	●
		20×/0.40, W.D.=7.2mm	●	●	●
	40×/0.60, W.D.=3.4mm	●	●	●	
Nosepiece	Backward Quintuple Nosepiece	●	●	●	
Condenser	Long Working Distance Condenser, N.A. 0.3, Working Distance 72mm (with condenser), 195mm (without condenser)	●	●	●	
Centering Telescope	Centering Telescope (Φ30mm)	○	○	○	
Phase Annulus	10×, 20×, 40× Phase Annulus Plate	●	●	●	
	4× Phase Annulus Plate	○	○	○	
Stage	Plain Stage 210(X)×240mm(Y), round slide plate: Φ110mm	●	●	●	
	Attachable Mechanical Stage, X-Y Coaxial Control, Moving Rang: 128mm×80mm	●	●	●	
	Petri Dish Holder Φ65mm	○	○	○	
	Petri Dish Holder Φ54mm	●	●	●	
	Petri Dish Holder Φ35mm	○	○	○	
	Blood cell counter Holder	○	○	○	
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range 10mm	●	●	●	
Koehler Illumination	6V/30W Halogen Lamp, Brightness Adjustable, input voltage: 100V- 240V	●	●	●	
	5W LED Lamp, Brightness Adjustable, input voltage: 100V-240V	○	○	○	
Filter	Blue Filter, Diameter 32mm	●	●	●	
	Green Filter, Diameter 32mm	●	●	●	
	Amber/Grey Filter, Diameter 32mm	○	○	○	
C-mount	0.5× C-mount Adapter (focus adjustable)	●	●	●	
	0.75× C-mount Adapter (focus adjustable)	○	○	○	
	1× C-mount Adapter (focus adjustable)	○	○	○	
Epi-Fluorescent Attachment	Epi-fluorescence attachment with 100W mercury lamp and B, G fluorescent filters, field diaphragm, center adjustable.	○	●	○	
	Epi-fluorescence attachment with 5W LED lamp and B, G fluorescent filters, field diaphragm, center adjustable.	○	○	●	
	V, UV fluorescent filters	○	○	○	
Packing	1carton/set, Size: 66×59×33cm, GW: 18kgs, NW: 14kgs	●			
	2cartons/set, carton 1 Size: 52×47×49cm, GW: 18kgs, NW: 14kgs; carton 2 Size: 52×47×24cm, GW: 6kgs, NW: 4kgs		●		
	1carton/set, Size: 52×47×49cm, GW: 23kgs, NW: 18kgs			●	

Note: ● Standard Outfit, ○ Optional

System Diagram



Fluorescent Attachment

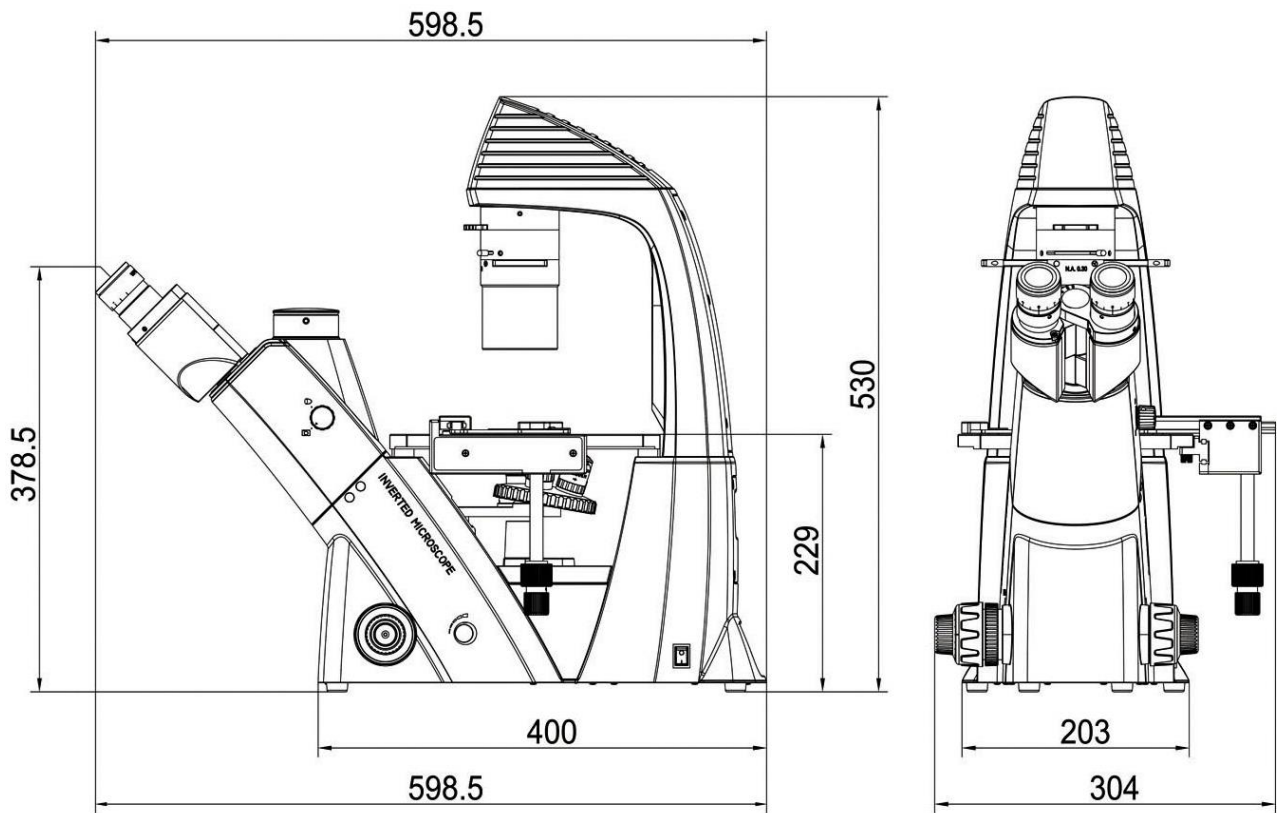


LED fluorescent attachment for BS-2093AF(LED)



Mercury fluorescent attachment for BS-2093AF

Dimension



Unit: mm

41. BS-2093B Inverted Biological Microscope



BS-2093B



BS-2093BF(LED)



BS-2093B(seen from left side)



BS-2093BF(LED) (with camera)

Introduction

BS-2093B Inverted Biological Microscope is a high level microscope which is specially designed for medical and health units, universities, research institutes to observe cultured living cells. With an innovative infinite optical system and ergonomic design, it has excellent optical performance and easy to operate features. This inverted biological microscope makes your work enjoyable. Digital cameras can be added to the trinocular head to take photos, videos and make measurement.

Feature

1. Excellent infinite optical system, Wide field eyepiece, view field up to $\Phi 22\text{mm}$, perfect for cell observation and culture.
2. Brand-new design for life science research.
3. More objectives can be installed on the large diameter quintuple nosepiece, easier to change objective.
4. Both light ports for microscope digital camera and DSLR photography camera, available for observing with

microscope digital camera and DSLR photography camera at the same time.

5. Light distribution (both): 100 : 0 (100% for eyepiece); 80 : 20 (80% for trinocular head and 20% for eyepiece).



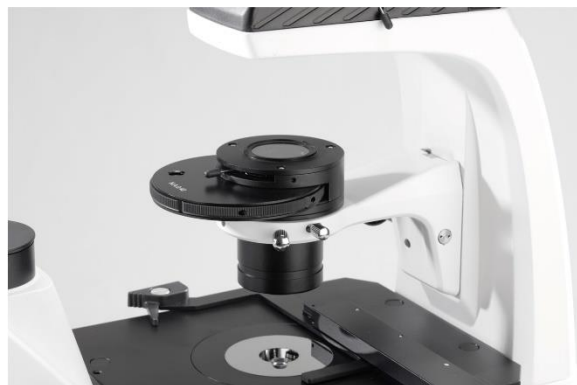
6. Automatic infrared induction for power on-off. Power off upon user leaving 10 minutes, and power on upon user approaching.

7. Special light port for SLR digital camera, 7°inclined up to be more convenient to observe the image of the DSLR camera.



8. 12V/50W Kohler illumination makes the field more even and brighter.

9. 4-hole rotating disc phase contrast condenser as standard to change bright field and phase contrast easily.



10. Culture Dish Holders.



Φ65mm



Φ54mm



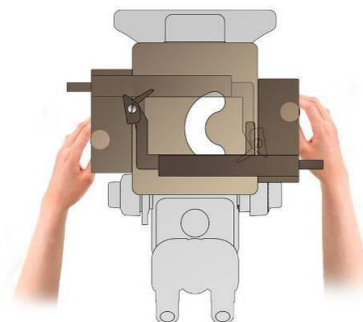
Φ35mm



blood cell counter holder

13. Knob of X-Y mechanical stage can be changed by left or right.

14. Infinite plan 4X phase contrast objective is available.



Application

BS-2093B Inverted microscope is used by medical and health units, universities, research institutes for observations of micro-organisms, cells, bacteria and tissue cultivation. It can be used for continuous observation of process of cells, bacteria grow and divide in the culture medium. Videos and images can be taken during the process. This microscope is widely used in cytology, parasitology, oncology, immunology, genetic engineering, industrial microbiology, botany and other fields.

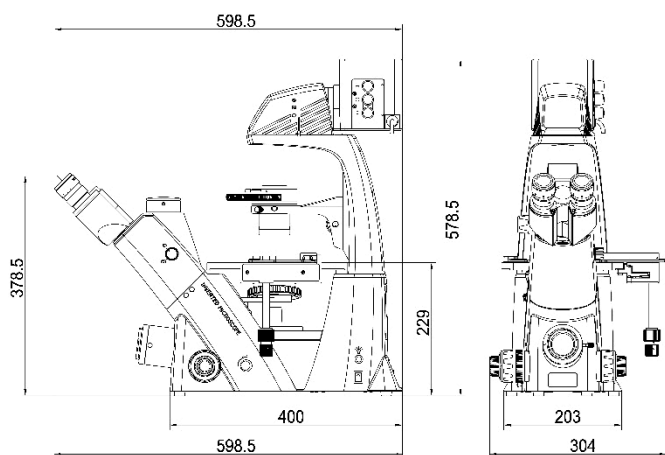
Specification

Item	Specification	BS-2093B	BS-2093BF	BS-2093BF(LED)	
Optical System	Infinite Optical System	●	●	●	
Viewing Head	Seidentopf Trinocular Head, Inclined at 45°, Interpupillary Distance 48-76mm, Light distribution (both): 100: 0 (100% for eyepiece), 80:20 (80% for trinocular head, and 20% for eyepiece), Eyepiece Tube Diameter 30mm	●	●	●	
Eyepiece	Wide Field Eyepiece WF10×/ 22mm	●	●	●	
	Wide Field Eyepiece WF15×/ 16mm	○	○	○	
	Wide Field Eyepiece WF20×/ 12mm	○	○	○	
Objective	Long Working Distance Infinite Plan Achromatic Objective	4×/0.11, W.D.=12.1mm	●	●	●
		10×/0.25, W.D.=8.3mm	○	○	○
		20×/0.40, W.D.=7.2mm	○	○	○
		40×/0.60, W.D.=3.4mm	○	○	○
	Long Working Distance Infinite Plan Achromatic Phase Contrast Objective	4×/0.10, W.D.=9.2mm	○	○	○
		10×/0.25, W.D.=8.3mm	●	●	●
		20×/0.40, W.D.=7.2mm	●	●	●
		40×/0.60, W.D.=3.4mm	●	●	●
Nosepiece	Backward Quintuple Nosepiece	●	●	●	
Condenser	4-hole rotating disc phase contrast condenser, N.A.0.4, W.D.45mm, It can be adjusted up-down	●	●	●	
Centering Telescope	Centering Telescope (Φ30mm)	●	●	●	
Phase Annulus	10×, 20×, 40× Phase Annulus Plate	●	●	●	
	4× Phase Annulus Plate	○	○	○	
Stage	Plain Stage 210(X)×240mm(Y), round slide plate: Φ110mm	●	●	●	
	Attachable Mechanical Stage, X-Y Coaxial Control, Moving Rang: 128mm×80mm	●	●	●	
	Petri Dish Holder Φ65mm	○	○	○	

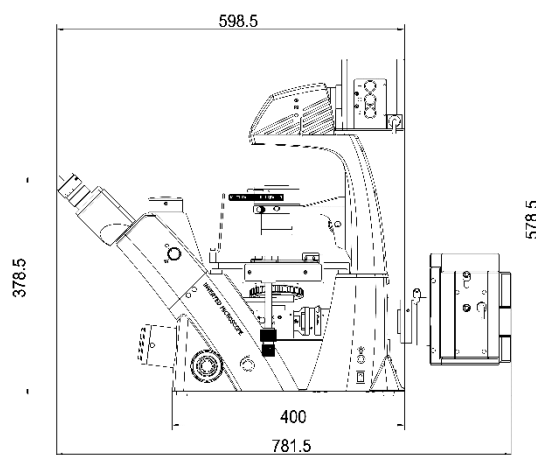
	Petri Dish Holder Φ 54mm	●	●	●
	Petri Dish Holder Φ 35mm	○	○	○
	Blood cell counter Holder	○	○	○
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range 10mm	●	●	●
Koehler Illumination	6V/50W Halogen Lamp, Brightness Adjustable, input voltage: 100V-240V	●	●	●
	5W LED Lamp, Brightness Adjustable, input voltage: 100V-240V	○	○	○
Auto power on-off system	Power off automatically upon user leaving 10 minutes, power on automatically upon user approaching	●	●	●
Filter	Blue Filter, Diameter 32mm	●	●	●
	Green Filter, Diameter 32mm	●	●	●
	Amber/Grey Filter, Diameter 32mm	○	○	○
C-mount	0.5× C-mount Adapter (focus adjustable)	●	●	●
	1× C-mount Adapter (focus adjustable)	○	○	○
	0.75× C-mount Adapter (focus adjustable)	○	○	○
Adapter for DSLR Photography	100% light for Photography Port (Adapter for CANON or NIKON DSLR Digital Photography Camera)	●	●	●
Epi-Fluorescent Attachment	Epi-fluorescence attachment with 100W mercury lamp and B,G fluorescent filters, field diaphragm, center adjustable.	○	●	○
	Epi-fluorescence attachment with 5W LED lamp and B,G fluorescent filters (input voltage: 100V-240V), field diaphragm, center adjustable.	○	○	●
	V, UV fluorescent filters	○	○	○
Packing	1carton/set, Packing Size: 66cm×59cm×33cm, Gross Weight: 18kgs, Net Weight: 13.5kgs	●	●	●

Note: ● Standard Outfit, ○ Optional

Dimension



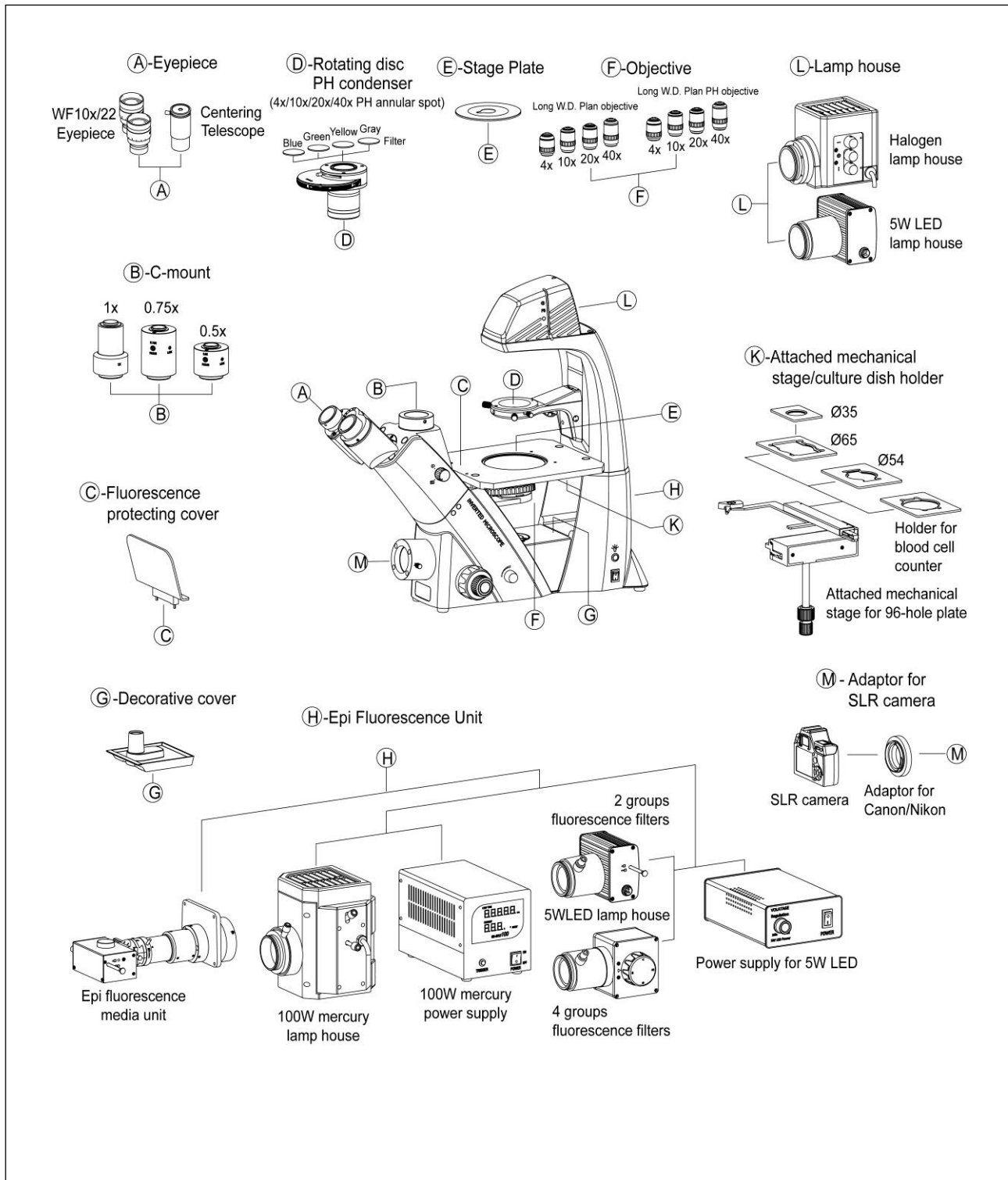
Dimension of BS-2093B



Dimension of BS-2093BF

Unit: mm

System Diagram



Fluorescent Attachment



LED fluorescent attachment for BS-2093BF(LED)



Mercury fluorescent attachment for BS-2093BF

42. BS-2094 Inverted Biological Microscope



BS-2094A



BS-2094B

Introduction

BS-2094 Series Inverted Biological Microscope are high level microscopes which are specially designed for medical and health units, universities, research institutes to observe cultured living cells. With innovative infinite optical system and ergonomic design, they have excellent optical performance and easy to operate features. The microscopes have adopted long life LED lamps as transmitted and fluorescent light source. Digital cameras can be added to the microscope on left side to take photos, videos and make measurement.

The main difference between BS-2094A and BS-2094B is that BS-2094B has an intelligent illumination management system, the illumination intensity will automatically change after you change the objectives and make the microscope to get the best illumination effect, BS-2094B also has a LCD screen to show the working mode like magnification, light intensity, transmitted or fluorescent light source, working or sleep etc.



BS-2094A(left side)



BS-2094A(front)



BS-2094A(right side)



BS-2094B(left side)



BS-2094B(front)



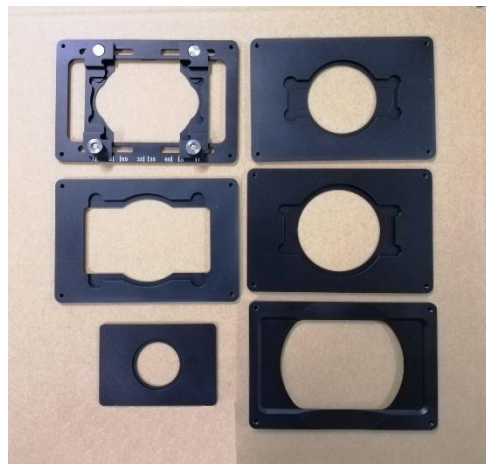
BS-2094B(right side)

Feature

1. Excellent infinite optical system, $\Phi 22\text{mm}$ wide field eyepiece, 45° inclined viewing head, more comfortable for observation.
2. Camera port is on left side, less disturb for operation. Light distribution (both): 100 : 0 (100% for eyepiece); 0 : 100 (100% for camera).
3. Long working distance condenser N.A. 0.30, Working distance: 75mm(with condenser), Working distance: 187mm (without condenser), available for extra high culture dishes. Condenser is detachable, without condenser, it is suitable for culture flask.

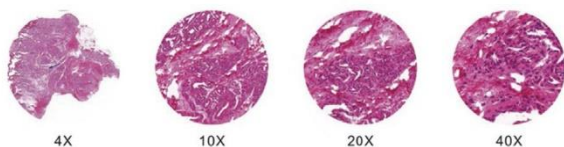


4. Large size stage, convenient for research. Stage Size: 170mm(X) \times 250 (Y)mm, Mechanical stage moving range: 128mm (X) \times 80 (Y)mm. 6 types of petri-dish holders are available.



5. BS-2094B has an intelligent illumination management system.

(1) Coded Quintuple Nosepiece can memorize the illumination brightness of each objective. When different objectives are converted to each other, the light intensity is automatically adjusted to reduce visual fatigue and improve work efficiency.



(2) Use a dimming knob to achieve multiple functions.

Click: Enter standby(sleep) mode

Double click: light intensity lock or unlock

Rotation: Adjust brightness

Press + clockwise rotate: Switch to the transmitted light source

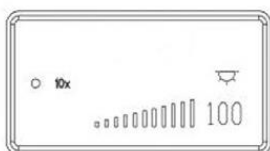
Press + contrarotate: Switch to the fluorescent light source

Press 3 seconds: Set the time of turning off the light after leaving

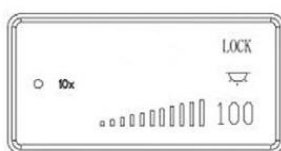


(3) Display microscope working mode.

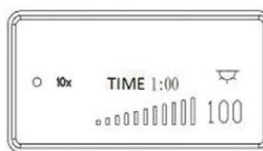
The LCD screen in the front of the microscope can display the working mode of the microscope, including magnification, light intensity, sleep mode and so on.



Start& working



Lock mode

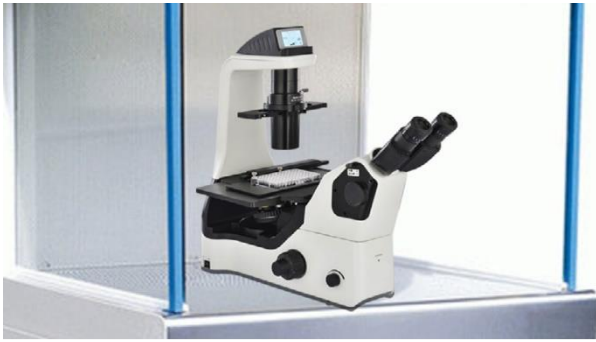


Turn off the light in 1 hour



Sleep mode

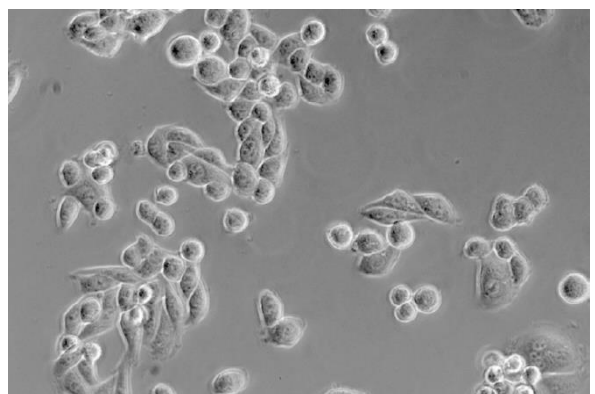
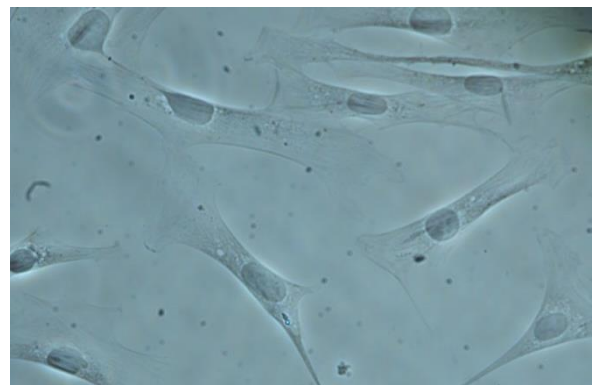
6. The microscope body is compact, stable and suitable for clean bench. The microscope body has been coated with anti-UV material and can be placed into the clean bench for sterilization under UV lamp.



7. Phase Contrast, Hoffman Modulation Phase Contrast and 3D Emboss Contrast observation method are available with transmitted illumination.

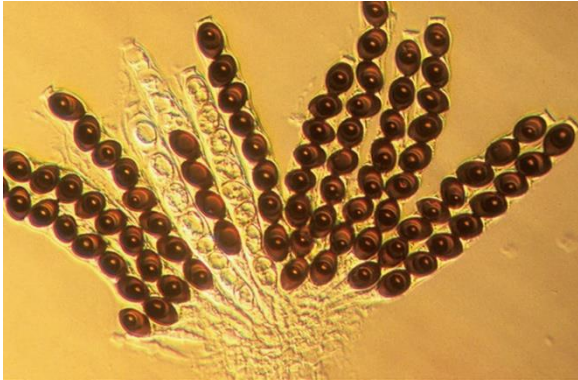
(1) Phase contrast observation is a microscopic observation technique that produces a high-contrast microscopic image of a transparent sample by utilizing a change in refractive index. The advantage is that the details of live cell imaging can be obtained without staining and fluorescent dyes.

Application range: Living cells culture, Micro-organism, Tissue slide, cell nuclei and organelles etc.



(2) Hoffman Modulation Phase Contrast. With slant light, Hoffman phase contrast changes phase gradient into light intensity variety, it can be used to observe unstained cells and living cells. Giving 3D effect for thick samples, it can greatly reduce the halo in thick specimens.

(3) 3D Emboss Contrast. No need for expensive optical components, just add a contrast adjustment slider to achieve a pseudo 3D glare-free image. Both glass culture dishes or plastic culture dishes can be used.



With Hoffman Modulation Phase Contrast



With 3D Emboss Contrast

8. LED Fluorescent attachment is optional.

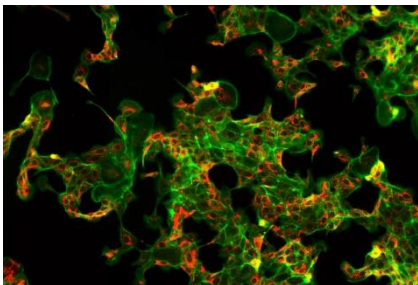
(1) LED light makes fluorescent observation easier.

Fly-eye lens and Kohler illumination have provided a uniform and bright field of view, which is benefit to get high definition images and perfect details. Compared with traditional mercury bulb, the LED lamp has much longer working life, it saves money and has greatly improved the working efficiency. The problems of preheating, cooling and high temperature of mercury lamp has also been solved.

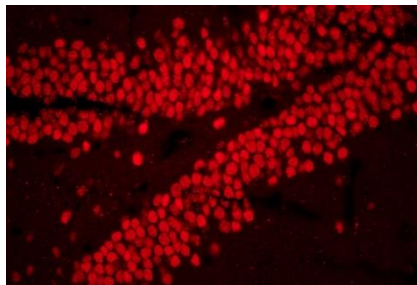


(2) Suitable for a variety of fluorescent dyes.

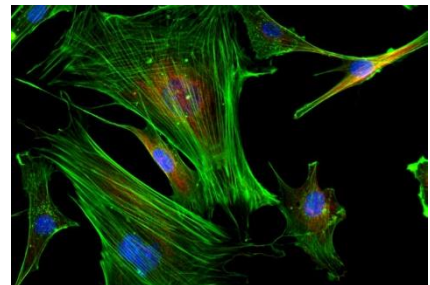
The LED fluorescent attachment has equipped with 3 fluorescent filter blocks, it can be applied to a wide range of dyes and capture clear high contrast fluorescence images.



Breast cancer



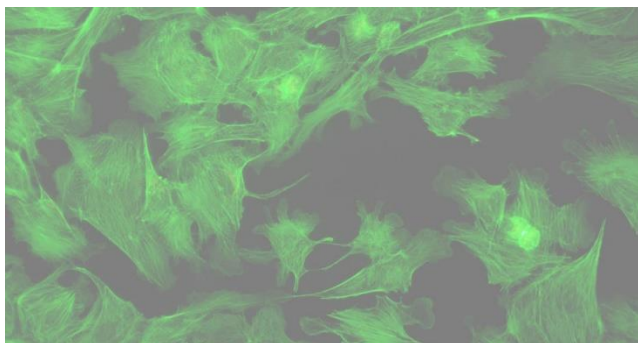
Hippocampus



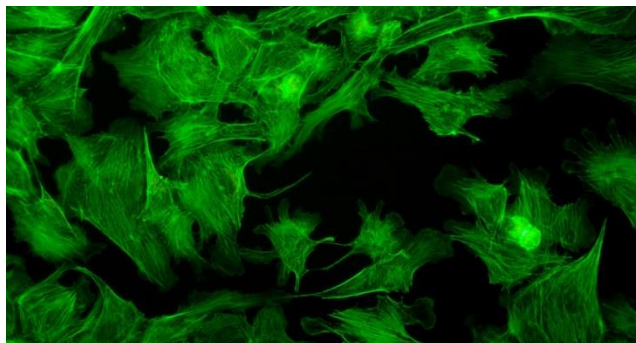
Mouse brain nerve cells

(3) Light barrier plate(contrast shield).

The light barrier plate can be attached to the condenser and effectively block the external light, increase the contrast of the fluorescent image and provide a high quality fluorescent image. When need phase contrast observation, the light barrier plate is very convenient to be removed from the light path, avoiding influence on the quality of phase contrast.



Without Contrast barrier plate



With Contrast barrier plate

Application

BS-2094 series inverted microscopes are used by medical and health units, universities, research institutes for observations of micro-organisms, cells, bacteria and tissue cultivation. They can be used for continuous observation of process of cells, bacteria grow and divide in the culture medium. Videos and images can be taken during the process. These microscopes are widely used in cytology, parasitology, oncology, immunology, genetic engineering, industrial microbiology, botany and other fields.

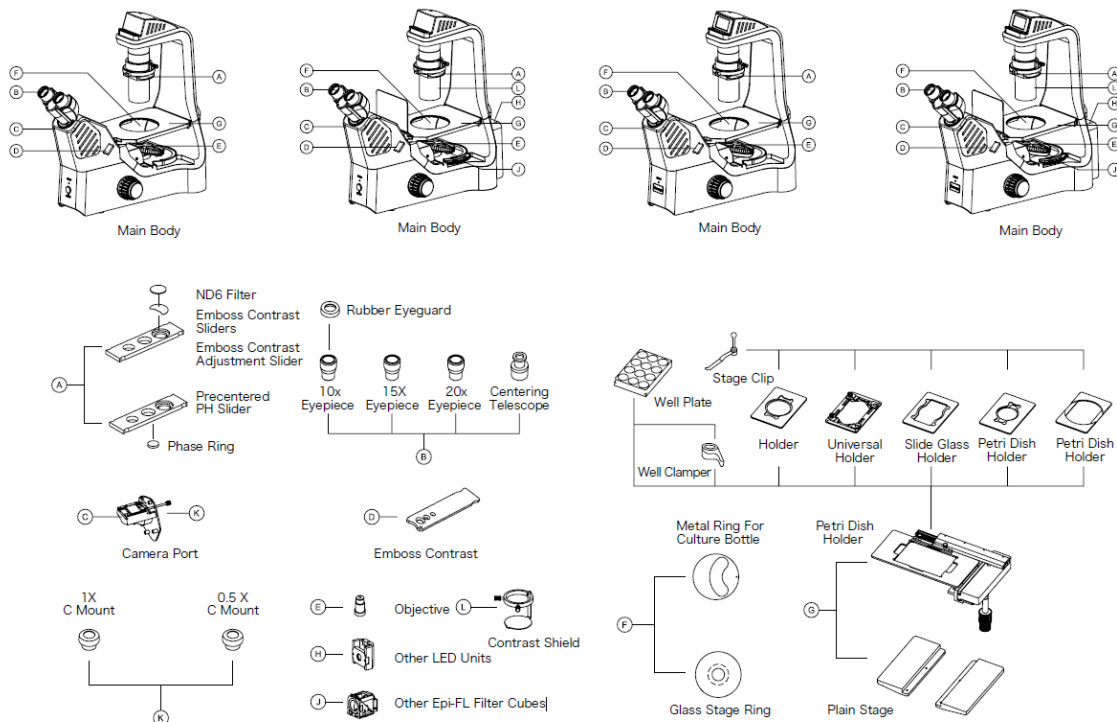
Specification

Item	Specification		BS-2094	BS-2094	BS-2094	BS-2094
			A	AF	B	BF
Optical System	NIS 60 Infinite Optical System, Tube length 200mm		●	●	●	●
Viewing Head	Seidentopf Binocular Head, Inclined at 45°, Interpupillary Distance 48-75mm, Left side camera port, Light distribution: 100: 0 (100% for eyepiece), 0:100 (100% for camera), Eyepiece Tube Diameter 30mm		●	●	●	●
Eyepiece	SW10×/ 22mm		●	●	●	●
	WF15×/ 16mm		○	○	○	○
	WF20×/ 12mm		○	○	○	○
Objective	NIS60 Infinite LWD Plan Achromatic Objective (Parfocal distance 60mm, M25×0.75)	4×/0.1, WD=30mm	●	●	●	●
	NIS60 Infinite LWD Plan Phase Contrast Achromatic Objective (Parfocal distance 60mm, M25×0.75)	PH10×/0.25, WD=10.2mm	●	●	●	●
		PH20×/0.40, WD=12mm	●	●	●	●
		PH40×/0.60, WD=2.2mm	●	●	●	●
Nosepiece	Quintuple Nosepiece		●	●		
	Coded Quintuple Nosepiece				●	●
Condenser	Long Working Distance Condenser, N.A. 0.3, Working Distance 75mm (with condenser), 187mm (without condenser)		●	●	●	●
Telescope	Centering Telescope: used to adjust the center of phase annulus		●	●	●	●
Phase Annulus	10×-20×-40× Phase Annulus Plate (center adjustable)		●	●	●	●
	4× Phase Annulus Plate		○	○	○	○
Stage	Stage 170 (X)×250(Y) mm with glass insert plate (diameter 110mm)		●	●	●	●

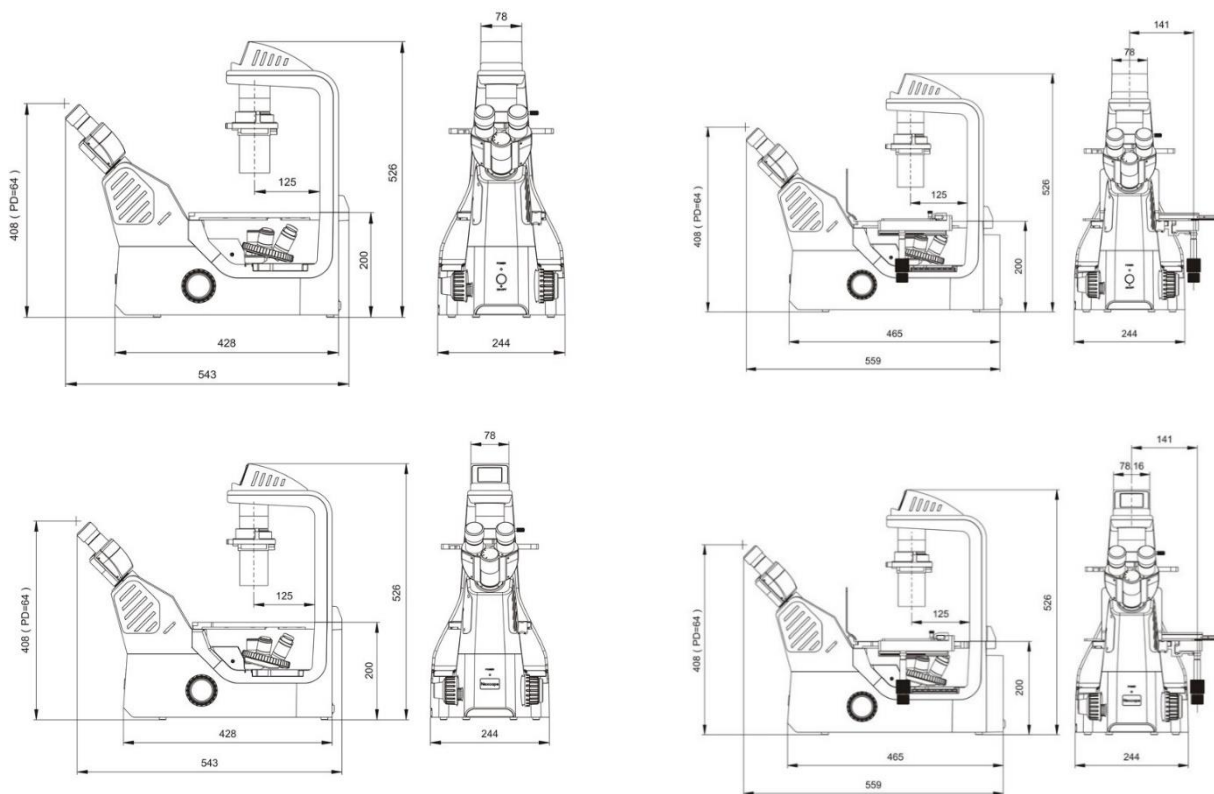
	Attachable Mechanical Stage, X-Y Coaxial Control, Moving Rang: 128mm×80mm, accept 5 types of petri-dish holders, well plates and stage clips	●	●	●	●
	Auxiliary stage 70mm×180mm, used to extend the stage	○	○	○	○
	Universal Holder: used for Terasaki plate, glass slide and Φ35-65mm petri dishes	●	●	●	●
	Terasaki Holder: used for Φ35mm Petri Dish Holder and Φ65mm petri dishes	○	○	○	○
	Glass Slide and Petri Dish Holder Φ54mm	○	○	○	○
	Glass Slide and Petri Dish Holder Φ65mm	○	○	○	○
	Petri Dish Holder Φ35mm	○	○	○	○
	Petri Dish Holder Φ90mm	○	○	○	○
Focusing	Coaxial Coarse and Fine Adjustment, tension adjustment, Fine Division 0.001mm, Fine stroke 0.2mm per rotation, Coarse stroke 37.5mm per rotation. Moving Range: up 7mm, down 1.5mm; Without limitation can up to 18.5mm	●	●	●	●
Transmitted Illumination	3W S-LED, Brightness Adjustable	●	●		
	3W S-LED Koehler illumination, Brightness Adjustable			●	●
EPI-Fluorescent Attachment	LED illuminator, built-in Fly-eye lens, can be configured with up to 3 different fluorescence blocks; B, B1, G, U, V, R fluorescent filters are available	○	○	○	○
Hoffman phase contrast	Hoffman Condenser with 10×, 20×, 40× insert plate, centering telescope and special objective 10×, 20×, 40×	○	○	○	○
3D Emboss Contrast	Main emboss contrast plate with 10×-20×-40× will be inserted into condenser	○	○	○	○
	Auxiliary emboss contrast plate will be inserted into slot which is near viewing head	○	○	○	○
C-mount Adapter	0.5× C-mount Adapter (focus adjustable)	○	○	○	○
	1× C-mount Adapter (focus adjustable)	○	○	○	○
Other Accessories	ECO function: will turn off after 15 minutes if no user	○	○	○	○
	Warm stage	○	○	○	○
	Light barrier plate(contrast shield), can be attached to the condenser and block the external light	○	○	○	○
	Dust cover	●	●	●	●
Power Supply	AC 100-240V, 50/60Hz	●	●	●	●
Fuse	T250V500mA	●	●	●	●
Packing	2cartons/set, Packing Size: 47cm×37cm×39cm, 69cm×39cm×64cm Gross Weight: 20kgs, Net Weight: 18kgs	●	●	●	●

Note: ● Standard Outfit, ○ Optional

System Diagram



Dimension



Unit: mm

43. BS-2094C Inverted Biological Microscope



BS-2094C

Introduction

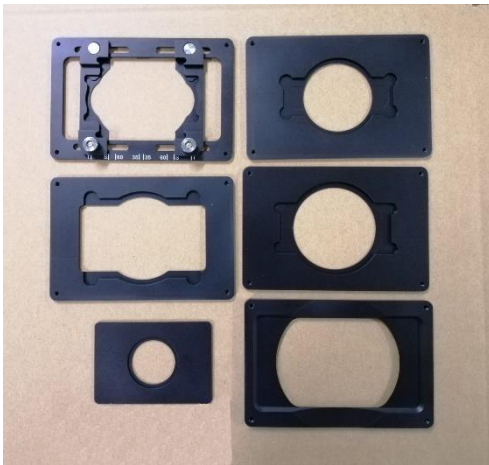
BS-2094C Inverted Biological Microscope is a high level microscope which is specially designed for medical and health units, universities, research institutes to observe cultured living cells. With innovative infinite optical system and ergonomic design, it has excellent optical performance and easy to operate features. The microscope has adopted long life LED lamps as transmitted and fluorescent light source. Digital cameras can be added to the microscope on left side to take photos, videos and make measurement. The tilting head can offer a comfortable working mode. The angle of transmitted illumination arm can be adjusted, so petri-dish or flask can be easily moved out.

BS-2094C has an intelligent illumination management system, the illumination intensity will automatically change after you change the objectives and make the microscope to get the best illumination effect, BS-2094C also has a LCD screen to show the working mode like magnification, light intensity, transmitted or fluorescent light source, working or sleep etc.

Feature

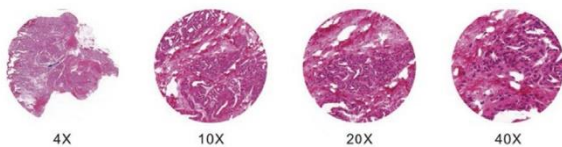
1. Excellent infinite optical system, $\Phi 22\text{mm}$ wide field eyepiece, $5^\circ\text{-}35^\circ$ inclined viewing head, more comfortable for observation.
2. Camera port is on left side, less disturb for operation. Light distribution (both): 100 : 0 (100% for eyepiece); 0 : 100 (100% for camera).
3. Long working distance condenser N.A. 0.30, Working distance: 75mm(with condenser), Working distance: 187mm (without condenser), available for extra high culture dishes. Condenser is detachable, without condenser, it is suitable for culture flask.

4. Large size stage, convenient for research. Stage Size: 170mm(X) × 250 (Y)mm, Mechanical stage moving range: 128mm (X) × 80 (Y)mm. 6 types of petri-dish holders are available.



5. BS-2094C has an intelligent illumination management system.

(1) Coded Quintuple Nosepiece can memorize the illumination brightness of each objective. When different objectives are converted to each other, the light intensity is automatically adjusted to reduce visual fatigue and improve work efficiency.



(2) Use a dimming knob on left of the base to achieve multiple functions.

Click: Enter standby(sleep) mode

Double click: light intensity lock or unlock

Rotation: Adjust brightness

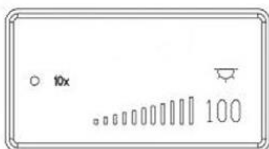
Press + clockwise rotate: Switch to the transmitted light source

Press + contrarotate: Switch to the fluorescent light source

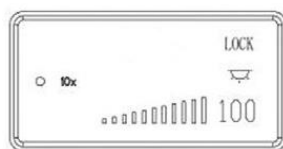
Press 3 seconds: Set the time of turning off the light after leaving

(3) Display microscope working mode.

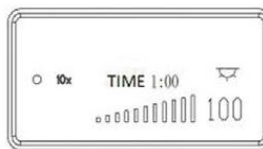
The LCD screen in the front of the microscope can display the working mode of the microscope, including magnification, light intensity, sleep mode and so on.



Start& working



Lock mode



Turn off the light in 1 hour



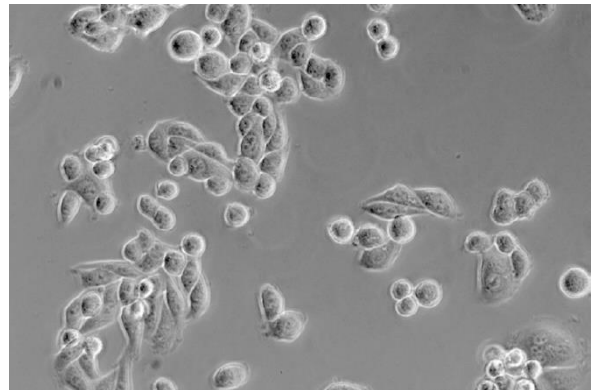
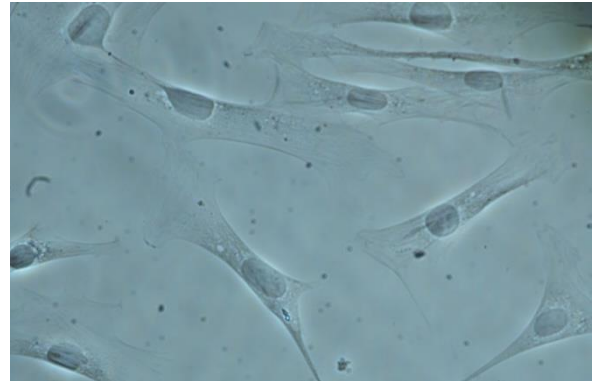
Sleep mode

6. The microscope body is compact, stable and suitable for clean bench. The microscope body has been coated with anti-UV material and can be placed into the clean bench for sterilization under UV lamp.

7. Phase Contrast, Hoffman Modulation Phase Contrast and 3D Emboss Contrast observation method are available with transmitted illumination.

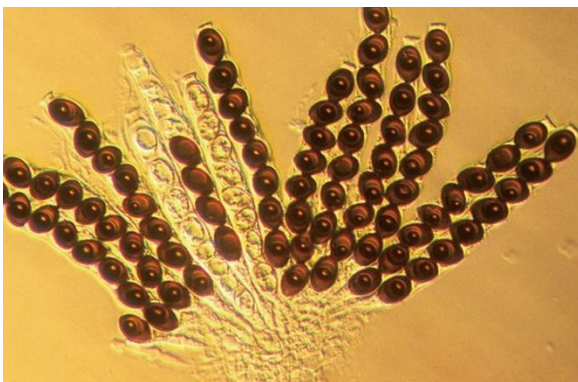
(1) Phase contrast observation is a microscopic observation technique that produces a high-contrast microscopic image of a transparent sample by utilizing a change in refractive index. The advantage is that the details of live cell imaging can be obtained without staining and fluorescent dyes.

Application range: Living cells culture, Micro-organism, Tissue slide, cell nuclei and organelles etc.



(2) Hoffman Modulation Phase Contrast. With slant light, Hoffman phase contrast changes phase gradient into light intensity variety, it can be used to observe unstained cells and living cells. Giving 3D effect for thick samples, it can greatly reduce the halo in thick specimens.

(3) 3D Emboss Contrast. No need for expensive optical components, just add a contrast adjustment slider to achieve a pseudo 3D glare-free image. Both glass culture dishes or plastic culture dishes can be used.



With Hoffman Modulation Phase Contrast



With 3D Emboss Contrast

8. LED Fluorescent attachment is optional.

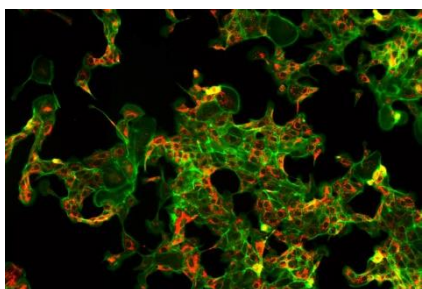
(1) LED light makes fluorescent observation easier.

Fly-eye lens and Kohler illumination have provided a uniform and bright field of view, which is benefit to get high definition images and perfect details. Compared with traditional mercury bulb, the LED lamp has much longer working life, it saves money and has greatly improved the working efficiency. The problems of preheating, cooling and high temperature of mercury lamp has also been solved.

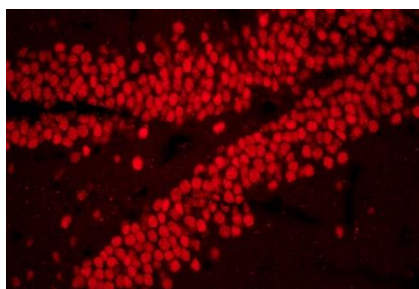


(2) Suitable for a variety of fluorescent dyes.

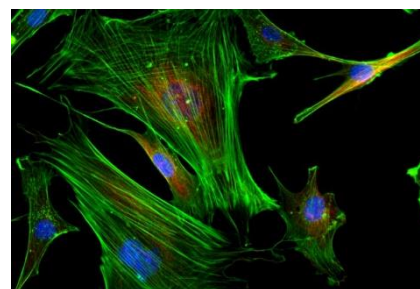
The LED fluorescent attachment has equipped with 3 fluorescent filter blocks, it can be applied to a wide range of dyes and capture clear high contrast fluorescence images.



Breast cancer



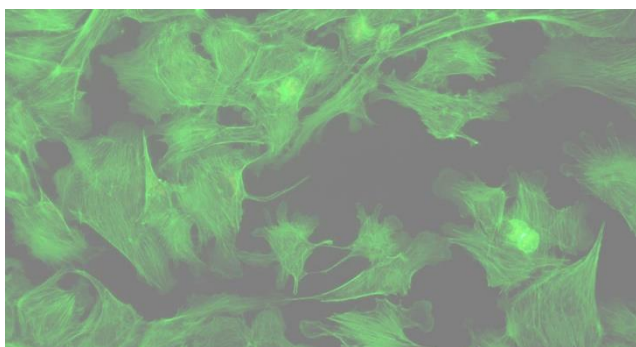
Hippocampus



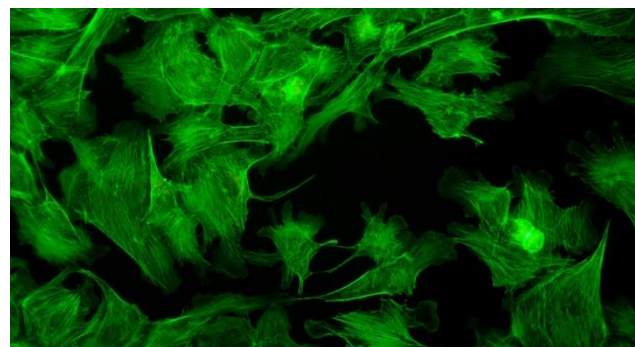
Mouse brain nerve cells

(3) Light shutter on transmitted is available to provide a better fluorescent effect.

The light shutter can effectively block the external light, increase the contrast of the fluorescent image and provide a high quality fluorescent image. When need phase contrast observation, the light shutter is very convenient to be removed from the light path, avoiding influence on the quality of phase contrast.



Without light shutter



With light shutter

Application

BS-2094C inverted microscope is used by medical and health units, universities, research institutes for observations of micro-organisms, cells, bacteria and tissue cultivation. They can be used for continuous observation of process of cells, bacteria grow and divide in the culture medium. Videos and images can be taken

during the process. These microscopes are widely used in cytology, parasitology, oncology, immunology, genetic engineering, industrial microbiology, botany and other fields.

Specification

Item	Specification	BS-2094C	BS-2094CF	
Optical System	NIS 60 Infinite Optical System, Tube length 200mm	●	●	
Viewing Head	Seidentopf Tilting Binocular Head, adjustable 0-35° inclined, Interpupillary Distance 48-75mm, Left side camera port, Light distribution: 100: 0 (100% for eyepiece), 0:100 (100% for camera), Eyepiece Tube Diameter 30mm	●	●	
Eyepiece	SW10×/ 22mm	●	●	
	WF15×/ 16mm	○	○	
	WF20×/ 12mm	○	○	
Objective (Parfocal distance 60mm, M25×0.75)	NIS60 Infinite LWD Plan Achromatic Objective	4×/0.1, WD=30mm	●	○
		10×/0.25, WD=10.2mm	○	○
		20×/0.40, WD=12mm	○	○
		40×/0.60, WD=2.2mm	○	○
	NIS60 Infinite LWD Plan Phase Contrast Achromatic Objective	PH4×/0.1, WD=30mm	○	○
		PH10×/0.25, WD=10.2mm	●	○
		PH20×/0.40, WD=12mm	●	○
		PH40×/0.60, WD=2.2mm	●	○
	NIS60 Infinite LWD Plan Semi-APO Fluorescent Objective	4×/0.13, WD=17mm, cover glass=-	○	●
		10×/0.3, WD=7.4mm, cover glass=1.2mm	○	●
		20×/0.45, WD=8mm, cover glass=1.2mm	○	●
		40×/0.60, WD=3.3mm, cover glass=1.2mm	○	●
	NIS60 Infinite LWD Plan Semi-APO Phase Contrast Objective	4×/0.13, WD=17.78mm, cover glass=-	○	○
		10×/0.3, WD=7.4mm, cover glass=1.2mm	○	○
		20×/0.45, WD=7.5-8.8mm, cover glass=1.2mm	○	○
		40×/0.60, WD=3-3.4mm, cover glass=1.2mm	○	○
Nosepiece	Coded Quintuple Nosepiece	●	●	
Condenser	Long Working Distance Condenser, N.A. 0.3, Working Distance 75mm (with condenser), 187mm (without condenser)	●	●	
Telescope	Centering Telescope: used to adjust the center of phase annulus	●	●	
Phase Annulus	10×-20×-40× Phase Annulus Plate (center adjustable)	●	●	
	4× Phase Annulus Plate	○	○	
Stage	Stage 170 (X)×250(Y) mm with glass insert plate (diameter 110mm)	●	●	
	Attachable Mechanical Stage, X-Y Coaxial Control, Moving Rang: 128mm×80mm, accept 5 types of petri-dish holders, well plates and stage clips	●	●	
	Auxiliary stage 70mm×180mm, used to extend the stage	○	●	
	Universal Holder: used for Terasaki plate, glass slide and Φ35-65mm petri dishes	●	●	
	Terasaki Holder: used for Φ35mm Petri Dish Holder and Φ65mm petri dishes	○	○	
	Glass Slide and Petri Dish Holder Φ54mm	○	○	
	Glass Slide and Petri Dish Holder Φ65mm	○	○	
	Petri Dish Holder Φ35mm	○	○	
Petri Dish Holder Φ90mm	○	○		

Focusing	Coaxial Coarse and Fine Adjustment, tension adjustment, Fine Division 0.001mm, Fine stroke 0.2mm per rotation, Coarse stroke 37.5mm per rotation. Moving Range: up 7mm, down 1.5mm; Without limitation can up to 18.5mm	●	●
Transmitted Illumination	3W S-LED Koehler illumination, Brightness Adjustable	●	●
EPI-Fluorescent Attachment	LED illuminator, built-in Fly-eye lens, can be configured with up to 3 different fluorescence blocks; with B, G, U fluorescent filters	○	●
	B1, V, R fluorescent filters	○	○
Hoffman phase contrast	Hoffman Condenser with 10×, 20×, 40× insert plate, centering telescope and special objective 10×, 20×, 40×	○	○
3D Emboss Contrast	Main emboss contrast plate with 10×-20×-40× will be inserted into condenser	○	○
	Auxiliary emboss contrast plate will be inserted into slot which is near viewing head	○	○
C-mount Adapter	0.5× C-mount Adapter (focus adjustable)	○	○
	1× C-mount Adapter (focus adjustable)	○	○
Other Accessories	ECO function: will turn off after 15 minutes if no user	●	●
	Warm stage	○	○
	Light shutter, can be used to block the external light	●	●
	Dust cover	●	●
Power Supply	AC 100-240V, 50/60Hz	●	●
Fuse	T250V500mA	●	●
Packing	2cartons/set, Packing Size: 47cm×37cm×39cm, 69cm×39cm×64cm, Gross Weight: 20kgs, Net Weight: 18kgs	●	●

Note: ● Standard Outfit, ○ Optional

44. BS-2095 Research Inverted Microscope



BS-2095



BS-2095F

Introduction

BS-2095 Inverted Biological Microscope is a research level microscope which is specially designed for medical and health units, universities, research institutes to observe cultured living cells. It adopts an Infinite optical system, reasonable structure and ergonomic design. With an innovative optical and structure design idea, excellent optical performance and easy to operate system, this research inverted biological microscope makes your works enjoyable. It has a trinocular head, so digital camera or digital eyepiece can be add to the trinocular head to take photos and videos.

Feature

1. Excellent optical function with infinite optical system.
2. Bright field, phase contrast and DIC observation is available.
3. Innovative stand structure, sharp image display, convenient and special for viewing incubating cell tissue.
4. With Plan semi-APO phase contrast objective, Making Viewing Field Flatter and Brighter, Contrast Sharper, Living Cell Observing easier.
5. Advanced and Reliable Mechanical Stage with Knob Height and Tightness Adjustable.

Application

BS-2095 Inverted microscope is used by medical and health units, universities, research institutes for observations of micro-organisms, cells, bacteria and tissue cultivation. It can be used for continuous observation of process of cells, bacteria grow and divide in the culture medium. Videos and images can be taken during the process. This microscope is widely used in cytology, parasitology, oncology, immunology, genetic engineering, industrial microbiology, botany and other fields.

Specification

Item	Specification	BS-2095	BS-2095 F	BS-2095 F(LED)
Optical system	NIS60 Infinite optical system	●	●	●
Eyepiece	SW10×/25mm, φ30mm	●	●	●
	SW10×/22mm, φ30mm	○	○	○
	EW12.5×/17.5mm, φ30mm	○	○	○
	WF15×/16mm, φ30mm	○	○	○
	WF20×/12mm, φ30mm	○	○	○
Viewing Head	Trinocular head with Bertrand lens, inclined at 45°, Interpupillary 47-78mm, 3 position beam split ratio: 50/50, 100/0, 0/100	●	●	●
	Binocular ERGO head	○	○	○
Plan semi-APO phase contrast objective	10× NA=0.3 WD=8.1mm Cover glass 1.2mm	●	●	●
	20× NA=0.45 WD=7.5-8.8mm Cover glass 0-2mm	●	●	●
	40× NA=0.60 WD=3-4.4mm Cover glass 0-2mm	●	●	●
	4× NA=0.13 WD=16.5mm Cover glass 0-2mm	○	○	○
	60× NA=0.70 WD=1.8-2.6mm Cover glass 0.1-1.3mm	○	○	○
Nosepiece	6-hole nosepiece with DIC slot (DIC for transmitted and reflected)	●	●	●
Condenser	Long working distance condenser, NA0.55, WD=26mm, with 6-position plate	●	●	●
Illumination	Kohler illumination, 12V/100W halogen lamp	●	●	●
	LED illumination (service life of minimum 50,000 hours)	○	○	○
	ECO Auto-off function (automatically shut off in 15 mins if no users)	○	●	●
Focusing	Coaxial coarse&fine focusing. Movement range 9mm, coarse adjustment 2mm/rotation, fine adjustment 0.2mm/rotation	●	●	●
Internal magnification	1×, 1.5×	●	●	●
Side video port	Switchable by turning plate, 3 models: left side port/eyepiece=50/50; right side port/eyepiece=20/80; left&right side port/eyepiece=0/100	●	●	●
Dark field	Optional	○	○	○
Polarizing kit	Optional	○	○	○
Phase contrast	Standard	●	●	●
DIC	Optional	○	○	○
Stage	Three-layer mechanical stage, movement range 130×85mm, flexible knob. Different small sizes stage could be attached to main stage	●	●	●
Fluorescent attachment	Epi-fluorescence attachment with 100W HBO mercury lamp and B,G,UV fluorescent filters, field diaphragm, center adjustable.	○	●	○
	Epi-fluorescence attachment with 5W LED lamp and B,G,UV fluorescent filters (input voltage: 100V-240V), field diaphragm, center adjustable.	○	○	●
	Multi-model plate structure, total 6 position, could be taken out from main frame and change different cube easily.	○	●	●
	V, B1, R fluorescent filters	○	○	○

Note: ● Standard Outfit, ○ Optional