BIOLOGICAL MICROSCOPES

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A biological microscope is an optical microscope that is used to observe cells, tissues, and biological specimens. It includes the use of a lens that gives the magnification from 10x-1000x. An object placed on the stage that is magnified through the objective lens. When the target is focused, a magnified image can be observed through the ocular lens. It is an observation microscope that is commonly used in laboratories.
Used in University, Medical, Laboratory, Research, Pharmaceutical.

LTMIC9-1 BIOLOGICAL MICROSCOPE

The Microscope has viewing Head of Sliding Trinocular which is inclined at 45°. It has a valid mould proof design and can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC9-1
Viewing Head	
Sliding Trinocular Head Inclined at 45°	Yes
Compensation Free Trinocular Head inclined at 30°	No
10° LCD	No
Nosepiece	
Ball Beating Quadruple Nosepiece	Yes
Eyepiece	
WF10X/ 18mm	Yes
Objective	
Achromatic 4X, 10X, 40X(S) 100X(S,O)	Yes
Plan Achromatic 4X, 10X, 40X(S) 100X(S,O)	No
Stage	
Double Layer Mechanical Stage 135x140mm	Yes
Condenser	
ABBE NA1.25 condenser with Iris Diaphragm &filter, rack&pinion adjustable	Yes
Illumination	
Build-in Illumination, Halogen lamp 6 V / 20 W, Power supply 90-230 V	Yes
Power Supply	
AC110/220 V +10 % , 50/60 Hz	Yes
Package	
Cartoon with foam	Yes
Package Size	

250x360x460 mm	Yes
Gross Weight	
8 kg	Yes

LTMIC9-2 BIOLOGICAL MICROSCOPE

The integration of structure design to save space. Viewing Head is Sliding Trinocular inclined at 45°. Valid mould proof design. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC9-2
Viewing Head	
Sliding Trinocular Head Inclined at 45°	Yes
Compensation Free Trinocular Head inclined at 30°	No
10° LCD	No
Nosepiece	
Ball Beating Quadruple Nosepiece	Yes
Eyepiece	
WF10X/ 18mm	Yes
Objective	
Achromatic 4X, 10X, 40X(S) 100X(S,O)	Yes
Plan Achromatic 4X, 10X, 40X(S) 100X(S,O)	No
Stage	
Double Layer Mechanical Stage 135x140mm	Yes
Condenser	
ABBE NA1.25 condenser with Iris Diaphragm &filter, rack&pinion adjustable	Yes
Illumination	
Build-in Illumination, Halogen lamp 6 V / 20 W, Power supply 90-230 V	Yes
Power Supply	
AC110/220 V +10 % , 50/60 Hz	Yes
Package	
Cartoon with foam	Yes
Package Size	
250x360x460 mm	Yes
Gross Weight	
8 kg	Yes

LTMIC9-3 BIOLOGICAL MICROSCOPE

Viewing head is compensation Free Trinocular which is inclined at 30°. The integration of structure is designed to save space and be valid mould proof. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC9-3
Viewing Head	
Sliding Trinocular Head Inclined at 45°	No
Compensation Free Trinocular Head inclined at 30°	Yes
10° LCD	No
Nosepiece	
Ball Beating Quadruple Nosepiece	Yes
Eyepiece	
WF10X/ 18mm	Yes
Objective	
Achromatic 4X, 10X, 40X(S) 100X(S,O)	No
Plan Achromatic 4X, 10X, 40X(S) 100X(S,O)	Yes
Stage	
Double Layer Mechanical Stage 135x140mm	Yes
Condenser	
ABBE NA1.25 condenser with Iris Diaphragm &filter, rack&pinion adjustable	Yes
Illumination	
Build-in Illumination, Halogen lamp 6 V / 20 W, Power supply 90-230 V	Yes
Power Supply	
AC110/220 V +10 % , 50/60 Hz	Yes
Package	
Cartoon with foam	Yes
Package Size	
250x360x460 mm	Yes
Gross Weight	
8 kg	Yes

LTMIC9-4 BIOLOGICAL MICROSCOPE

The Microscope has a Ball beating quadruple nosepiece. It comes with an optional plan achromatic objective. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC9-4
Viewing Head	
Sliding Trinocular Head Inclined at 45°	No
Compensation Free Trinocular Head inclined at 30°	No
10° LCD	Yes
Nosepiece	
Ball Beating Quadruple Nosepiece	Yes
Eyepiece	
WF10X/ 18mm	Yes
Objective	
Achromatic 4X, 10X, 40X(S) 100X(S,O)	Yes
Plan Achromatic 4X, 10X, 40X(S) 100X(S,O)	Optional
Stage	
Double Layer Mechanical Stage 135x140mm	Yes
Condenser	
ABBE NA1.25 condenser with Iris Diaphragm &filter, rack&pinion adjustable	Yes
Illumination	
Build-in Illumination, Halogen lamp 6 V / 20 W, Power supply 90-230 V	Yes
Power Supply	
AC110/220 V +10 % , 50/60 Hz	Yes
Package	
Cartoon with foam	Yes
Package Size	
250x360x460 mm	Yes
Gross Weight	
8 kg	Yes

LTMIC9-5 BIOLOGICAL MICROSCOPE

The model is equipped with seidentopf binocular viewing head inclined at 30° and has a finite optical system. Also, has a valid mould proof design.

SPECIFICATIONS

Model	LTMIC9-5
Infinite Optical System	NA
Finite Optical System	Standard
Viewing Head	
Seidentopf Binocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	Standard
Seidentopf Trinocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	NA
Seidentopf Binocular Viewing Head, 30° Inclined, Interpupillary 48-75mm	NA
Seidentopf Trinocular Viewing Head, 30° Inclined, Interpupillary 48-75 mm	NA
MD101 Microscope Camera with HD Monitor, 5M pixels, Color CMOS	Optional
Eyepiece	
Wide Field Eyepiece WF 10X/ 18	Standard
Extra Wide Field Eyepiece EW10X/ 20 with Diopter Adjustment	NA
Objective	
Achromatic Objective 4X,10X ,40X ,100X	Standard
Infinite Semi-plan Achromatic Objectives 4x ,10x , 40x ,100x	NA
Infinite Plan Achromatic Objectives 4X,10X, 40X,100X	NA
Nosepiece	
Backward Quadruple Nosepiece	Standard
Quadruple Nosepiece	NA
Stage	
Double Layers Mechanical Stage 140 mm x140 mm / 75 mm x 50 mm	Standard
Condensor	
NA1.25 Abbe Condenser	Standard
Dark Field Condensor (Dry,Oil)	Optional
Condenser	
Sliding-in Centerable condenser NA1.25	NA
Focusing System	
Coaxial Coarse and Fine Adjustment, Fine Division 0.002 mm. Coarse Stroke 37.7 mm per Rotation, Fine Stroke 0.2 mm per Rotation, Moving Range 20 mm	NA
Coaxial Coarse and Fine Adjustment, Fine Division 0.002 mm, Moving Range 25 mm	Standard
Illumination	
6 V /20 W Halogen Lamp, Brightness Adjustable	Optional

S-LED Illumination, Brightness Adjustable	Standard
Accessories	
Phase Contrast Kit, Fluorescent Attachment, Polarization Set	Optional
Power Supply	
AC 110~220 V, 50/60 Hz	Standard
Packing Size	
380x270x470 mm (MSC21-05 Main body) 350x350x640 mm (MSC21-07)	Standard
Gross Weight	
8.5 kg (MSC21-05 Main body) ; 12kg (MSC21-07)	Standard

LTMIC9-6 BIOLOGICAL MICROSCOPE

The model is principaly with seidentopf trinocular viewing head which is inclined at 30° and has a finite optical system. The design is mould proof and can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC9-6
Infinite Optical System	NA
Finite Optical System	Standard
Viewing Head	
Seidentopf Binocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	NA
Seidentopf Trinocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	Optional
Seidentopf Binocular Viewing Head, 30° Inclined, Interpupillary 48-75mm	NA
Seidentopf Trinocular Viewing Head, 30° Inclined, Interpupillary 48-75 mm	NA
MD101 Microscope Camera with HD Monitor, 5M pixels, Color CMOS	Optional
Eyepiece	
Wide Field Eyepiece WF 10X/ 18	Standard
Extra Wide Field Eyepiece EW10X/ 20 with Diopter Adjustment	NA
Objective	
Achromatic Objective 4x ,10x ,40x ,100x	Standard
Infinite Semi-plan Achromatic Objectives 4X,10X , 40X ,100X	NA
Infinite Plan Achromatic Objectives 4X,10X , 40X ,100X	NA
Nosepiece	
Backward Quadruple Nosepiece	Standard
Quadruple Nosepiece	NA
Stage	
Double Layers Mechanical Stage 140 mm x140 mm / 75 mm x 50 mm	Standard
Condensor	

NA1.25 Abbe Condenser	Standard
Dark Field Condensor (Dry, Oil)	Optional
Condenser	
Sliding-in Centerable condenser NA1.25	NA
Focusing System	
Coaxial Coarse and Fine Adjustment, Fine Division 0.002 mm. Coarse Stroke 37.7 mm per Rotation, Fine Stroke 0.2 mm per Rotation, Moving Range 20 mm	NA
Coaxial Coarse and Fine Adjustment, Fine Division 0.002 mm, Moving Range 25 mm	Standard
Illumination	
6 V /20 W Halogen Lamp, Brightness Adjustable	Optional
S-LED Illumination, Brightness Adjustable	Standard
Accessories	
Phase Contrast Kit, Fluorescent Attachment, Polarization Set	Optional
Power Supply	
AC 110~220 V, 50/60 Hz	Standard
Packing Size	
380x270x470 mm (MSC21-06 Main body) 350x350x640 mm (MSC21-08)	Standard
Gross Weight	
8.5 kg (MSC21-06 Main body) ; 12kg (MSC21-08)	Standard

LTMIC9-7 BIOLOGICAL MICROSCOPE

The Microscope is equipped with an infinite optical system with a seidentopf binocular viewing head inclined at 30°. The design is valid mould proof which can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC9-7
Infinite Optical System	Standard
Finite Optical System	NA
Viewing Head	
Seidentopf Binocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	NA
Seidentopf Trinocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	NA
Seidentopf Binocular Viewing Head, 30° Inclined, Interpupillary 48-75mm	Standard
Seidentopf Trinocular Viewing Head, 30° Inclined, Interpupillary 48-75 mm	NA
MD101 Microscope Camera with HD Monitor, 5M pixels, Color CMOS	Optional
Eyepiece	
Wide Field Eyepiece WF 10X/ 18	Standard
Extra Wide Field Eyepiece EW10 x/ 20 with Diopter Adjustment	Optional

Objective	
Achromatic Objective 4X,10X ,40X,100X	NA
Infinite Semi-plan Achromatic Objectives 4x ,10x , 40x ,100x	Standard
Infinite Plan Achromatic Objectives 4X,10X, 40X,100X	Optional
Nosepiece	
Backward Quadruple Nosepiece	NA
Quadruple Nosepiece	Standard
Stage	
Double Layers Mechanical Stage 140 mm x140 mm / 75 mm x 50 mm	Standard
Condensor	
NA1.25 Abbe Condenser	NA
Dark Field Condensor (Dry, Oil)	NA
Condenser	
Sliding-in Centerable condenser NA1.25	Standard
Focusing System	
Coaxial Coarse and Fine Adjustment, Fine Division 0.002 mm, Coarse Stroke 37.7 mm per Rotation, Fine Stroke 0.2 mm per Rotation, Moving Range 20 mm	Standard
Coaxial Coarse and Fine Adjustment, Fine Division 0.002 mm, Moving Range 25 mm	NA
Illumination	
6 V /20 W Halogen Lamp, Brightness Adjustable	Optional
S-LED Illumination, Brightness Adjustable	Standard
Accessories	
Phase Contrast Kit, Fluorescent Attachment, Polarization Set	Optional
Power Supply	
AC 110~220 V, 50/60 Hz	Standard
Packing Size	
380x270x470 mm (MSC21-05 Main body) 350x350x640 mm (MSC21-07)	Standard
Gross Weight	
8.5 kg (MSC21-05 Main body) ; 12kg (MSC21-07)	Standard

LTMIC9-8 BIOLOGICAL MICROSCOPE

The Microscope is equipped with an infinite optical system with seidentopf trinocular viewing head inclined at 30°. It has a valid mould proof design that can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC9-8
Infinite Optical System	Standard

Finite Optical System	NA
Viewing Head	
Seidentopf Binocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	NA
Seidentopf Trinocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	NA
Seidentopf Binocular Viewing Head, 30° Inclined, Interpupillary 48-75mm	NA
Seidentopf Trinocular Viewing Head, 30° Inclined, Interpupillary 48-75 mm	Optional
MD101 Microscope Camera with HD Monitor, 5M pixels, Color CMOS	Optional
Eyepiece	
Wide Field Eyepiece WF 10X/ 18	Standard
Extra Wide Field Eyepiece EW10 x/ 20 with Diopter Adjustment	Optional
Objective	
Achromatic Objective 4x ,10x ,40x ,100x	NA
Infinite Semi-plan Achromatic Objectives 4X ,10X , 40X ,100X	Standard
Infinite Plan Achromatic Objectives 4X ,10X , 40X ,100X	Optional
Nosepiece	
Backward Quadruple Nosepiece	NA
Quadruple Nosepiece	Standard
Stage	
Double Layers Mechanical Stage 140 mm x140 mm / 75 mm x 50 mm	Standard
Condensor	
NA1.25 Abbe Condenser	NA
Dark Field Condensor (Dry, Oil)	NA
Condenser	
Sliding-in Centerable condenser NA1.25	Standard
Focusing System	
Coaxial Coarse and Fine Adjustment, Fine Division 0.002 mm, Coarse Stroke 37.7 mm per Rotation, Fine Stroke 0.2 mm per Rotation, Moving Range 20 mm	Standard
Coaxial Coarse and Fine Adjustment, Fine Division 0.002 mm, Moving Range 25 mm	NA
Illumination	
6 V /20 W Halogen Lamp, Brightness Adjustable	Optional
S-LED Illumination, Brightness Adjustable	Standard
Accessories	
Phase Contrast Kit, Fluorescent Attachment, Polarization Set	Optional
Power Supply	
AC 110~220 V, 50/60 Hz	Standard
Packing Size	
380x270x470 mm (MSC21-06 Main body) 350x350x640 mm (MSC21-08)	Standard
Gross Weight	
8.5 kg (MSC21-06 Main body) ; 12kg (MSC21-08)	Standard

LTMIC9-9 BIOLOGICAL MICROSCOPE

The Microscope has a compensation free binocular head inclined at 30° with camera system of 1.3M pixel. As well as Abbe NA1.20 with Iris Diaphragm condenser & Fliter. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC9-9
Compensation Free Binocular Head, Inclined at 30°, Interpupilary Distance 48-75 mm	Standard
Camera System	
Valid Pixel 1280x1024 (1.3M Pixel)	Standard
Valid Pixel 1600x1200 (2.0M Pixel)	Optional
Valid Pixel 2048x1036 (3.0M Pixel)	NA
Valid Pixel 2052x1944(5.0 M Pixel)	NA
Output Mode USB 2.0	Standard
Operation System WINDOWS7/8 2000 / XP/VISTA	Standard
Software ScopeImage 9.0	Standard
Range of Viewing Field >90%(BMB-117M); 18 mm(BMB-300M)	Standard
Eyepiece	
WF10X/18	Standard
P16 X/11	Optional
Extra wide filed eyepiece EW10x/20 with diopter adjustment	NA
Objective	
Achromatic Objective 4X, 10X, 40X, 100X	Standard
Infinite plan Achromatic Objective 4X, 10X, 40X, 100X	Optional
Infinite Plan Achromatic Phase Objective 10X,20X,40X,100X	NA
Oil Darkfield Objective with Iris Diaphragm 100X (NA0.36-1.25)	NA
Nosepiece	
Backward Quadruple Nosepiece	Standard
Quintuple Nosepiece	NA
Quadruple Nosepiece	NA
Stage	
Double Layers Mechanical Stage 140x140 mm, Moving range 75x50 mm	Standard
Condenser	
Abbe NA1.20 with Iris Diaphragm & Fliter	Standard
Swing Condenser N.A.0.9/0.25	NA
Turret Phase Contrast Condenser	NA
Dark Field Condenser (Dry)	NA
Dark Field Condenser (Oil)	NA

Focusing	
Coaxial Coarse & Fine Adjustment System, Range 24 mm, Fine Division 0.004 mm	Standard
Coaxial Coarse & Fine Adjustment System, Range 20 mm	NA
Illumination	
LED 3W, Brightness Adjustable	Standard
Halogen Lamp 6 V/20 W, Brightness Adjustable	Optional
S-LED Powerful Illumination	NA
Power Supply	
AC 110~220 V, 50/60 Hz	Standard
Accessories	
Phase Contrast Kit	Optional
Dark-Field Attachment	Optional
Polarization Attachment	Optional
Package Size	396x262x492 mm
Gross Weight	7.5 kg

LTMIC9-10 BIOLOGICAL MICROSCOPE

The microscope has a compensation free binocular head inclined at 30° with optional camera system of 0.5M pixel. Valid mould proof design. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC9-10
Compensation Free Binocular Head, Inclined at 30°, Interpupilary Distance 48-75 mm	Standard
Camera System	
Valid Pixel 1280x1024 (1.3M Pixel)	NA
Valid Pixel 1600x1200 (2.0M Pixel)	NA
Valid Pixel 2048x1036 (3.0M Pixel)	Standard
Valid Pixel 2052x1944(5.0 M Pixel)	Optional
Output Mode USB 2.0	Standard
Operation System WINDOWS7/8 2000 / XP/VISTA	Standard
Software Scopelmage 9.0	Standard
Range of Viewing Field >90% (BMB-117M); 18 mm(BMB-300M)	Standard
Eyepiece	
WF10X/18	Standard
P16 X/11	NA
Extra wide filed eyepiece EW10x/20 with diopter adjustment	Optional
Objective	

Achromatic Objective 4X, 10X, 40X, 100X	Optional
Infinite plan Achromatic Objective 4X, 10X, 40X, 100X	Standard
Infinite Plan Achromatic Phase Objective 10X,20X,40X,100X	Optional
Oil Darkfield Objective with Iris Diaphragm 100X (NA0.36-1.25)	Optional
Nosepiece	
Backward Quadruple Nosepiece	NA
Quintuple Nosepiece	Optional
Quadruple Nosepiece	Standard
Stage	
Double Layers Mechanical Stage 140x140 mm, Moving range 75x50 mm	Standard
Condenser	
Abbe NA1.20 with Iris Diaphragm & Fliter	NA
Swing Condenser N.A.0.9/0.25	Standard
Turret Phase Contrast Condenser	Optional
Dark Field Condenser (Dry)	Optional
Dark Field Condenser (Oil)	Optional
Focusing	
Coaxial Coarse & Fine Adjustment System, Range 24 mm, Fine Division 0.004 mm	NA
Coaxial Coarse & Fine Adjustment System, Range 20 mm	Standard
Illumination	
LED 3W, Brightness Adjustable	NA
Halogen Lamp 6 V/20 W, Brightness Adjustable	NA
S-LED Powerful Illumination	Standard
Power Supply	
AC 110~220 V, 50/60 Hz	Standard
Accessories	
Phase Contrast Kit	Optional
Dark-Field Attachment	Optional
Polarization Attachment	Optional
Package Size	334X334X533 mm
Gross Weight	12.5 kg

LTMIC10-1 BIOLOGICAL MICROSCOPE

The model has a sliding binocular viewing head at 45° which is 360° rotatable. Valid mould proof design. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC10-1
Viewing Head	
Sliding binocular head at 45°, 360° rotatable	Standard
Sliding trinocular head at 45°, 360° rotatable	NA
Eyepiece	
Eyepiece WF10 x/ 18 with scale of crosshair	Standard
Eyepiece WF 10 x/18	Standard
Objective	
Strain free achromatic objective 4X, 10X, 40X	Standard
Nosepiece	
Toward quadruple nosepiece, center adjustable	Standard
Analyzer	
Rotatable analyzer with gradation 0°- 90°	Standard
Bertrand Lens	
Bertrand lens, sliding in/ out of optical path	Standard
Optical Compensator	
λ slip(first class red)	Standard
¼ λ slip	Standard
Quartz wedge	Standard
Revolving Round Stage	
Diameter Φ 160 mm, graduated in 1° increments, Minimum resolution 6' when using vernier scale	Standard
Condenser	
Abbe condenser with Iris diaphragm & filter	Standard
Focusing	
Coaxial coarse & fine adjustment, range 28 mm, fine division 0.002 mm	Standard
Polarizer	
Sliding in/out of optical path, located on the top of collector	Standard
Illumination	
6 V / 20 W halogen lamp, brightness adjustable	Standard
Power Supply	
AC 110-220 V , 50/60 Hz	Standard
Package Size	
327x273x425 mm	Standard
Gross Weight	
7.5kg	Standard

LTMIC10-2 BIOLOGICAL MICROSCOPE

The model has a sliding trinocular viewing head at 45° which is 360° rotatable. Valid mould proof design. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC10-2
Viewing Head	
Sliding binocular head at 45°, 360° rotatable	NA
Sliding trinocular head at 45°, 360° rotatable	Standard
Eyepiece	
Eyepiece WF10 x/ 18 with scale of crosshair	Standard
Eyepiece WF 10 X/18	Standard
Objective	
Strain free achromatic objective 4X , 10X , 40X	Standard
Nosepiece	
Toward quadruple nosepiece, center adjustable	Standard
Analyzer	
Rotatable analyzer with gradation 0°- 90°	Standard
Bertrand Lens	
Bertrand lens, sliding in/ out of optical path	Standard
Optical Compensator	
λ slip(first class red)	Standard
¼ λ slip	Standard
Quartz wedge	Standard
Revolving Round Stage	
Diameter Φ 160 mm, graduated in 1° increments, Minimum resolution 6' when using vernier scale	Standard
Condenser	
Abbe condenser with Iris diaphragm & filter	Standard
Focusing	
Coaxial coarse & fine adjustment, range 28 mm, fine division 0.002 mm	Standard
Polarizer	
Sliding in/out of optical path, located on the top of collector	Standard
Illumination	
6 V / 20 W halogen lamp, brightness adjustable	Standard
Power Supply	
AC 110-220 V , 50/60 Hz	Standard
Package Size	

327x273x425 mm	Standard
Gross Weight	
7.5kg	Standard

LTMIC11-1 BIOLOGICAL MICROSCOPE

The model is of binocular viewing head with fluorescent straight illumination. The integration of structure design to save space. Valid mould proof design. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC11-1
Viewing Head	Binocular head
Fluorescent Straight Illumination	B(Blue), G(Green) exciting light filter system O ordinary light system 100 W HBO super high-pressured spherical mercury lamp
Protection Screen	Screen to resist the UV
Power	AC input 220 V
Connecting Wire	With 2 connectors
Fluorescent Free Objective	10X, 20X, 40X (S), 100X (S, Oil)
Immersion Oil	Fluorescent free oil
Power Supply	AC110 / 220 V ± 10 % , 50/60 Hz
Package Size	440x340x220 mm
Gross Weight	17 kg

LTMIC11-2 BIOLOGICAL MICROSCOPE

The model is of trinocular viewing head with fluorescent straight illumination. The integration of structure design to save space. Valid mould proof design. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC11-2
Viewing Head	Trinocular head
Fluorescent Straight Illumination	B(Blue), G(Green) exciting light filter system O ordinary light system 100 W HBO super high-pressured spherical mercury lamp
Protection Screen	Screen to resist the UV
Power	AC input 220 V
Connecting Wire	With 2 connectors
Fluorescent Free Objective	10X, 20X, 40X (S), 100X (S, Oil)
Immersion Oil	Fluorescent free oil
Power Supply	AC110 / 220 V ± 10 % , 50/60 Hz
Package Size	460x350x250 mm
Gross Weight	17 kg

LTMIC12-1 BIOLOGICAL MICROSCOPE

Excellent optical function with infinite optical system and trinocular head inclined at 30°and quintuple nosepiece. Convenient operation and special design for viewing incubating cell tissue. Valid mould proof design. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC12-1
Optical System	
Infinite optical system	Standard
Viewing Head	
Trinocular head inclined at 30°, interpupillary distance 48-75 mm	Standard
Eyepiece	
High-point, extra wide field eyepiece EW10 X/ 22	Standard
LWD infinite plan objective	
4X/0.1, WD 17.3 mm	Standard
10X/ 0.25, WD 10 mm	Optional
20X/ 0.4, WD 5.1 mm	Optional
40X/ 0.6, WD 2.1mm	Standard
Infinite plan phase objective	
PH10X/ 0.25, WD 10 mm	Standard
PH20X/ 0.4, WD 5.1 mm	Standard
PH40X/ 0.65, WD 2.1 mm	Optional
Nosepiece	

Quintuple nosepiece	Standard
Condenser	
ELWD condenser NA 0.3, LWD 72 mm (without condenser 150 mm)	Standard
Centering	
Centering telescope (Φ 30 mm)	Optional
Phase Annulus	
10X-20X, 40X phase annulus plate (fixed)	Standard
10X-20X, 40X phase annulus plate (adjustable)	Optional
Stage	
Plain stage 160x250 mm	Standard
Glass insert	Standard
Attachable mechanical stage, X-Y coaxial control, moving rang120x78 mm	Optional
Auxiliary stages 70x180 mm	Standard
Terasaki holder	Optional
Φ 35mm petri dish holder	Optional
Φ 54mm slide glass holder	Optional
Φ 90mm petri dish holder	Optional
Focusing	
Coaxial Coarse and Fine Adjustment, Fine Division 0.002 mm, Coarse Stroke 37.7 mm per Rotation, Fine Stroke 0.2 mm per Rotation, Moving Range up 8 mm, down 3 mm	Standard
Illumination	
Halogen lamp 6 V/ 30 W	Standard
LED	Optional
Filter	
Blue, green and ground glass, diameter 45 mm	Standard
Power Supply	
AC 110~220 V, 50/60 Hz	Standard
Accessories	
Inverted flurescent attahement FL-100, photo attachment, video adapter with C mount	Optional
Package Size	
468x397x665 mm	Standard
Gross Weight	
15.5 kg	Standard

LTMIC12-2 BIOLOGICAL MICROSCOPE

Excellent optical function with seidentopf trinocular viewing head, inclined at 45°, 360° rotatable and backward quintuple nosepiece. Convenient operation and special design for viewing incubating cell tissue. Valid mould proof design. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC12-2
Optical System	
Infinite optical system	Standard
Viewing Head	
Seidentopf trinocular viewing head, Inclined at 45°, 360° rotatable, Interpupillary 48-75 mm	Standard
Eyepiece	
Wide field eyepiece WF10 X/ 22, eyepiece tube diameter 30 mm	Standard
Wide field eyepiece WF15 X/ 16	Optional
Wide field eyepiece WF20 X/ 12	Optional
LWD infinite plan achromatic objective 4 X/0.10 WD = 22	Standard
LWD infinite plan achromatic phase objective	
10 X/ 0.25 WD = 6	Standard
20 X/ 0.4 WD = 3.1	Standard
40 X/ 0.55 WD = 2.2	Standard
High-level phase contrast objective	
10 X/ 0.25 WD = 6	Optional
20 X/ 0.4 WD = 3.1	Optional
40 X/ 0.55 WD = 2.2	Optional
Lamp house adjustment objective	Optional
Nosepiece	
Backward quintuple nosepiece	Standard
Condenser	
ELWD condenser NA0.3, LWD72 mm (without condenser 150 mm)	Standard
Centering Telescope	
Centering telescope(Φ 30 mm)	Standard
Phase Annulus	
10X, 20X, 40X phase annulus plate(adjustable)	Standard
Stage	
Plain stage 230x170	Standard
Glasse insert	Standard
Attachable mechanical stage, X, Y coaxial control, moving rang 80x120 mm	Standard
Auxiliary stage	Standard
Terasaki holder	Standard
Petri dish holder Φ 38	Standard
Petri dish holder Φ 54	Standard
Focusing System	
Coaxial coarse and fine adjustment, fine division 0.002 mm, moving range up 4.5 mm down 4.5 mm	Standard
Illumination	
6 V, 30 W halogen lamp, brightness adjustable	Standard
Filter	
Blue, green and ground glass, diameter 45 mm	Standard
Power Supply	
110-220 V, 50/60 Hz	Standard
Accessories	
Photo attachment	Optional

C Mount 0.4x	Optional
Epi-Fluorescent attachment	Optional
Package Size	630x350x620 mm
Gross Weight	15 kg

LTMIC12-3 BIOLOGICAL MICROSCOPE

Excellent optical function with trinocular viewing head inclined at 45°. Innovative stand structure and sharp image display. Convenient operation and special design for viewing incubating cell tissue. Valid mould proof design. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC12-3
Viewing Head	
Trinocular viewing head, inclined at 45°	Yes
Trinocular viewing head, inclined at 30°	No
Eyepiece	
WF10X/20 mm	Yes
EW10X/22 mm	No
Objective	
LWD Plan objective 4X,10X,20X, 40X	Yes
LWD Infinite plan objective 4X,10X,20X, 40X ,Infinite plan phase objective 10X,20X, 40X	No
Stage	
Double layers mechanical stage, stage size:242x172 mm, central stage:Φ110 mm, moving range:75x50 mm	Yes
Plain stage:160x250 mm, glass insert, attachable mechanical stage, X-Y coaxial control, moving range: 120x78 mm. Auxiliary stage 70x180 mm, Terasaki holder, Petri dish holder Φ35 mm / Φ54 mm / Φ90 mm, slide glass holder Φ54 mm	No
Condensor	
NA 0.3 Abbe condenser W.D.75 mm	Yes
ELWD Condenser NA 0.3, LWD 72 mm (without condenser 150 mm)	No
Interpupillary Distance	
50-75 mm / 48-75 mm	Yes
Focusing	
Coaxial coarse & fine adjustment, fine division 0.002 mm	Yes
Phase Contrast Sliding Plate	
Center of phase contrast ring plate adjustable	Yes
10X, 20X, 40X phase annulus plate (fixed) 10X, 20X, 40X phase annulus plate (adjustable)	No
Center Telescope	
Center telescope	Yes

Center telescope (Φ 30 mm)	No
Illumination	
Halogen lamp 12 V/ 30 W, adjustable brightness	Yes
LED lamp 3 W / Halogen lamp 6 V/30 W	No
Filter	
Blue, Green, Yellow and Frosted glass	Yes
Blue, green and frosted glass	No
Optional Accessories	
B,G wave band, 220 V(110 V)/100 W Fluorescent Mercury lamp;photograph connecting tube, adapter with MD or PK mount, 4X photograph eyepiece	Yes
Inverted fluorescent attachment, photo attachment, video adapter with C mount	No
Power Supply	
AC110/220 V ± 10%,50/60 Hz	Yes
Package Size	350x250x508 mm
Gross Weight	15kg

LTMIC12-4 BIOLOGICAL MICROSCOPE

Excellent optical function with infinite optical system with trinocular viewing head, inclined at 30°. Innovative stand structure and sharp image display. Convenient operation and special design for viewing incubating cell tissue. Valid mould proof design. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC12-4
Viewing Head	
Trinocular viewing head, inclined at 45°	No
Trinocular viewing head, inclined at 30°	Yes
Eyepiece	
WF10X/20 mm	No
EW10X/22 mm	Yes
Objective	
LWD Plan objective 4X,10X,20X, 40X	No
LWD Infinite plan objective 4X,10X,20X, 40X . Infinite plan phase objective 10X,20X, 40X	Yes
Stage	
Double layers mechanical stage, stage size:242x172 mm, central stage: Φ110 mm,moving range:75x50 mm	No
Plain stage:160x250 mm, glass insert, attachable mechanical stage, X-Y coaxial control, moving range: 120x78 mm. Auxiliary stage 70x180 mm, Terasaki holder, Petri dish holder Φ35 mm / Φ54 mm / Φ90 mm, slide glass holder Φ54 mm	Yes
Condensor	

NA 0.3 Abbe condenser W.D.75 mm	No
ELWD Condenser NA 0.3, LWD 72 mm (without condenser 150 mm)	Yes
Interpupillary Distance	
50-75 mm / 48-75 mm	Yes
Focusing	
Coaxial coarse& fine adjustment, fine division 0.002 mm	Yes
Phase Contrast Sliding Plate	
Center of phase contrast ring plate adjustable	No
10X, 20X, 40X phase annulus plate (fixed) 10X, 20X, 40X phase annulus plate (adjustable)	Yes
Center Telescope	
Center telescope	No
Center telescope(Φ 30 mm)	Yes
Illumination	
Halogen lamp 12 V/ 30 W, adjustable brightness	No
LED lamp 3 W / Halogen lamp 6 V/30 W	Yes
Filter	
Blue, green, yellow and frosted glass	No
Blue, green and frosted glass	Yes
Optional Accessories	
B,G wave band, 220 V(110 V)/100 W Fluorescent Mercury lamp;photograph connecting tube, adapter with MD or PK mount, 4X photograph eyepiece	No
Inverted fluorescent attachment, photo attachment, video adapter with C mount	Yes
Power Supply	
AC110/220 V ± 10%,50/60 Hz	Yes
Package Size	468x397x665 mm
Gross Weight	15kg

LTMIC13-1 BIOLOGICAL MICROSCOPE

Excellent optical function with siedentopf binocular viewing head, inclined at 30°, 360°and quadruple nosepiece. Convenient operation and special design for viewing incubating cell tissue. Valid mould proof design. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC13-1
Optical System	
Infinite optical system	NA
Viewing Head	
Siedentopf binocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75 mm	Standard

Siedentopf trinocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75 mm	Optional
Eyepiece	
WF 10 X/ 18	Standard
P16 X/ 11	Optional
WF10 X/ 20	NA
WF15 X/ 16	NA
Objective	
Achromatic objective 4X, 10X, 40X, 100X	Standard
Plan achromatic objective 4X, 10X , 40X ,100X	Optional
Infinite plan achromatic objective 20X, 60X	NA
Infinite plan achromatic objective 4x, 10x, 40x, 100x	Optional
Nosepiece	
Quadruple nosepiece	Standard
Backward quadruple nosepiece	NA
Backward quintuple nosepiece	NA
Focusing	
Coaxial coarse & fine adjustment , fine division 0.002 mm, coarse stroke 37.7 mm per rotation, fine stroke 0.2 mm per rotation, moving range 20 mm	Standard
Stage	
Double layers mechanical stage:132x142 mm, moving range:75x40 mm	Standard
Rectangular 230x150 mm stage, moving range:78x54 mm, using low positioned X/Y coaxial control knob	NA
Condenser	
Abbe condenser NA1.25 with aperture diaphragm	Standard
Illumination	
S-LED Illumination, brightness adjustable	Standard
12 V/ 20 W Halogen lamp, brightness adjustable	Optional
Kohler illumination	Optional
Power Supply	
110~220 V, 50/60 Hz	Standard
Accessories	
Photo attachment, video attachment	Optional
Dark field condenser	Optional
Polarization set, phase contrast kit	NA
Package Size	
323x264x440 mm (MSC21-19), 380x260x510 mm (BMIC-602)	Standard
Gross Weight	
6.5 kg (MSC21-19), 10 kg (MSC21-20)	Standard

LTMIC13-2 BIOLOGICAL MICROSCOPE

Excellent optical function with infinite optical system, siedentopf binocular viewing head, inclined at 30°, 360°and quadruple nosepiece. Convenient operation and special design for viewing incubating cell tissue. Valid mould proof design. It can be used under the high temperature and high humidity environment. Infinite optical system

SPECIFICATIONS

Model	LTMIC13-2
Compensation Free Trinocular Head 30°	Standard
Viewing Head	
Siedentopf binocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75 mm	Standard
Siedentopf trinocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75 mm	Optional
Eyepiece	
WF 10 X/ 18	NA
P16 X/ 11	NA
WF10 X/ 20	Standard
WF15 X/ 16	Optional
Objective	
Achromatic objective 4X, 10X, 40X,100X	NA
Plan achromatic objective 4X, 10X , 40X ,100X	NA
Infinite plan achromatic objective 20X, 60X	Optional
Infinite plan achromatic objective 4x, 10x, 40x, 100x	Standard
Nosepiece	
Quadruple nosepiece	NA
Backward quadruple nosepiece	Standard
Backward quintuple nosepiece	Optional
Focusing	
Coaxial coarse & fine adjustment , fine division 0.002 mm, coarse stroke 37.7 mm per rotation, fine stroke 0.2 mm per rotation, moving range 20 mm	Standard
Stage	
Double layers mechanical stage:132x142 mm, moving range:75x40 mm	NA
Rectangular 230x150 mm stage, moving range:78x54 mm, using low positioned X/Y coaxial control knob	Standard
Condenser	
Abbe condenser NA1.25 with aperture diaphragm	Standard
Illumination	
S-LED Illumination, brightness adjustable	Standard
12 V/ 20 W Halogen lamp, brightness adjustable	Optional
Kohler illumination	Optional
Power Supply	

110~220 V, 50/60 Hz	Standard
Accessories	
Photo attachment, video attachment	Optional
Dark field condenser	NA
Polarization set, phase contrast kit	Optional
Package Size	
323x264x440 mm (MSC21-19), 380x260x510 mm (BMIC-602)	Standard
Gross Weight	
6.5 kg (MSC21-19), 10 kg (MSC21-20)	Standard

LTMIC14-1 BIOLOGICAL MICROSCOPE

The integration of structure design to save space. The Microscope has a monocular viewing head inclined at 45° and 360° rotatable. Valid mould proof design. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC14-1
Viewing Head	Monocular Head Inclined at 45°, 360° rotatable
Achromatic Objectives	4X, 10X, 40X (Spring) ,100X (Spring, Oil)
Eyepiece	Wide Field Eyepiece:WF10 X, (WF16 X optional)
Stage	Double Layer Mechanical Stage Size 120x125 mm
Focusing	Coaxial Coarse and Fine Adjustment, Focusing Range 30 mm, Focusing Interval 0.002 mm
Condenser	Abbe NA=1.25 with Iris Diaphragm & Filter
Illumination	LED(1 W) Lamp 220 V or 110 V, (LED 3 W lamp optional)
Power Supply	AC110/220 V ± 10 %, 50/60 Hz
Package Size	450x360x240 mm
Gross Weight	5 kg

LTMIC14-2 BIOLOGICAL MICROSCOPE

The integration of structure design to save space. The Microscope has a compensation free binocular viewing head inclined at 30°, 360° rotatable. Valid mould proof design. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC14-2
Viewing Head	Compensation Free Binocular Head Inclined at 30°, 360° rotatable
Achromatic Objectives	4X, 10X, 40X (Spring) ,100X (Spring, Oil)
Eyepiece	Wide Field Eyepiece:WF10 X, (WF16 X optional)
Stage	Double Layer Mechanical Stage Size 120x125 mm
Focusing	Coaxial Coarse and Fine Adjustment, Focusing Range 30 mm, Focusing Interval 0.002 mm
Condenser	Abbe NA=1.25 with Iris Diaphragm & Filter
Illumination	LED(1 W) Lamp 220 V or 110 V, (LED 3 W lamp optional)
Power Supply	AC110/220 V ± 10 %, 50/60 Hz
Package Size	450x360x240 mm
Gross Weight	5 kg

LTMIC14-3 BIOLOGICAL MICROSCOPE

The integration of structure design to save space. The Microscope has a compensation free trinocular viewing head which is 360° rotatable. Valid mould proof design. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC14-3
Viewing Head	Compensation Free Trinocular Head, 360° rotatable
Achromatic Objectives	4X, 10X, 40X (Spring) ,100X (Spring, Oil)
Eyepiece	Wide Field Eyepiece:WF10 X, (WF16 X optional)

Stage	Double Layer Mechanical Stage Size 120x125 mm
Focusing	Coaxial Coarse and Fine Adjustment, Focusing Range 30 mm, Focusing Interval 0.002 mm
Condenser	Abbe NA=1.25 with Iris Diaphragm&Filter
Illumination	LED(1 W) Lamp 220 V or 110 V, (LED 3 W lamp optional)
Power Supply	AC110/220 V ± 10 %, 50/60 Hz
Package Size	450x360x240 mm
Gross Weight	5 kg

LTMIC14-4 BIOLOGICAL MICROSCOPE

The integration of structure design to save space. The Microscope has a dual viewing head where one tube is 30° inclined, another tube is vertical and 360° rotatable. Valid mould proof design. It can be used under the high temperature and high humidity environment.

SPECIFICATIONS

Model	LTMIC14-4
Viewing Head	Dual viewing head, one tube 30°, inclined and another tube vertical, 360° rotatable
Achromatic Objectives	4X, 10X, 40X (Spring) ,100X (Spring, Oil)
Eyepiece	Wide Field Eyepiece:WF10 X, (WF16 X optional)
Stage	Double Layer Mechanical Stage Size 120x125 mm
Focusing	Coaxial Coarse and Fine Adjustment, Focusing Range 30 mm, Focusing Interval 0.002 mm
Condenser	Abbe NA=1.25 with Iris Diaphragm & Filter
Illumination	LED(1 W) Lamp 220 V or 110 V, (LED 3 W lamp optional)
Power Supply	AC110/220 V ± 10 %, 50/60 Hz
Package Size	450x360x240 mm
Gross Weight	5 kg

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