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ZFM-310 BTA FLUORESCENT MICROSCOPE

Fluorescent Microscope

ZFM-310 BTA

ZFM-310 BTA is a Upright Fluorescent Microscope. It is an intelligent and revolutionary product, provides operating comfort with its ergonomics design. It offers fast and efficient imaging for laboratory and clinical operation. It has excellent fluorescent viewing. All the fluorescent filter blocks use the high-performance filter lens. The reflected light source body can assemble 6 filter blocks, that allows operators to view different stained specimens at the same time.



Automatic swing-out and swing-in the top-lens element according to the objective lens that is selected via the intelligent linking.



The height of the stage control knobs can be adjusted up or down by 18mm to ensure a comfortable hand position, and with adjustable tension control.



It is easy for operators to put slides by one hand due to the convex point guide mechanism.



Mechanical stage with a gorilla glass insert is durable and allows operators to easily clear the stage.



The reflected light source body can assemble 6 filter blocks, that allows operators to view different stained specimens at the same time.



Specifications

ZFM-310 BTA

Optical System	NIS60 Infinity Optical System
Observation Method	Bright Field Fluorescent
Main Body	ATL Semi-Auto Body + LED Illumination. Auto Nosepiece + Auto Condenser + Auto Brightness Adjust
Head	Ergo Tilting Trinocular Head, Inclination 0° ~ 35°, Interpupillary Distance 47-78mm, 3 Level Light Split Switch E100:P0/E20:P80/E0:P100
Eyepiece	SW10x/25mm, High Eyepoint, Diopter Adjustable, Dia.30mm
Nosepiece	- Auto Coded Nosepiece, Sextuple, Backward, Motorized Switch Objectives, Controlled By: 1. Shortcut Button On Right Side Of Base, Can Switch 2 Preseted Objectives Quickly 2. Remote Control Pad In Front Of Base, Press Each Button To Switch Objectives And Adjust The Light Intensity Automatically. 2 Buttons Can Be Self-Defined For Most Commonly Used Objecives, Press Green Button Can Swap Between Them - With Slot For Polarizing Compensator Slider Or DIC Slider
N-PLFN Infinity Plan Semi-APO Fluorescent Objective	PlanF S-APO 4x/0.13, W.D.16.5mm, Cover Glass 0.17mm PlanF S-APO 10x/0.30, W.D.8.1mm, Cover Glass 0.17mm PlanF S-APO 20x/0.50, W.D.2.1mm, Cover Glass 0.17mm PlanF S-APO 40x/0.75, W.D.0.7mm, Cover Glass 0.17mm PlanF S-APO 100x/1.30 (Oil), W.D.0.15mm, Cover Glass 0.17mm
Working Stage	- Double Layer Mechanical Stage Full Size 302x152mm, Stage Table Size 190x152mm, Moving Range 78x32mm, Double Slide Holder, With Sapphire Glass Insert, Right Handle - Low Position Control Knob, Height Adjustable Up/Down 18mm, Convex Point Guide Mechanism For Easily Put Slide By One Hand, With Tension Adjustable Ring, With Safety Stop Screw
Condenser	Auto Swing-Out Condenser NA0.9/0.25
Focusing	Coaxial Coarse & Fine Focusing, Fine Division 0.001mm, Focusing Range 35mm, Coarse Stroke 37.7mm, Fine Stroke 0.1mm, Can Exchange Hand Wheel Between Left/Right

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Light Source	Transmit Kohler Illumination, Brightness Adjustable, 12V100W Halogen, External Lamp House ECO Function Support Auto Power Off After 30 Mins From Operator Leave To Save Energy Auto Brightness Adjust, Brightness For Each Objective Can Be Memorized And Restored When Objective Is Selected
Filter For Transmit Light	Filter Holder On Base, Can Hold 3 Filters Filter LBD Filter Green Filter Yellow Filter ND6 Filter ND25
Fluorescent Attachment	Reflect Mercury Epi-Fluorescence Illuminator, Turret Disc With 6 Positions For Fluorescent Filter Block, With Protect Barrier Power Supply Box 220V/110V Interchangeable, Digital Display 100W Mercury Lamp Housing Fluorescent Filter B, BP460-490, BA520, DM500 Fluorescent Filter G, BP510-550, BA590, DM570 Fluorescent Filter U, BP330-385, BA420, DM400 Fluorescent Filter V, BP400-410, BA455, DM455 Filter ND6 Filter ND25
Other Accessories	Working Stage Holder Bracket Immersion Oil Allen Wrench Power Cord

Optional Accessories

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Observation Method	Dark Field Polarizing Phase Contrast S
Eyepiece	SW10x/22mm, High Eyepoint, Diopter Adjustable, Dia.30mm EW12.5x/16mm, High Eyepoint WF15x/16mm, High Eyepoint, Diopter Adjustable, Dia.30mm WF20x/12mm, High Eyepoint, Diopter Adjustable, Dia.30mm
Working Stage	Double Layer Mechanical Stage Full Size 302x152mm, Stage Table Size 190x152mm, Moving Range 78x32mm, Double Slide Holder, With Sapphire Glass Insert, Left Handle
Adapter	Eyepiece Adapter Dia.23.2mm C-Mount 1.0x C-Mount 0.5x
Software	NOMIS Basic Image Processing Software

Optional Accessories

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Dark Field	Dark Field Condenser, N.A. 0.7~0.9, Dry Dark Field Condenser, N.A. 1.25~1.36, Immersion Dark Field Objective, Infinity Plan 100X, For Immersion Dark Field Observation Dark Field Objective, Infinity Plan 100X, With Iris Diaphragm, For Immersion Dark Field Observation
Polarizing	Polarizer For Transmit Light Source Analyzer Slide For Transmit Light Source Gout Set: Polarizer, λ Slide, Quartz Wedge Slide
Phase Contrast	Turret Phase Contrast Condenser, Center Adjustable Centering Telescope 10x Infinity Plan Phase Contrast Objective N-PLN PH 10x/0.25 Infinity Plan Phase Contrast Objective N-PLN PH 20x/0.40 Infinity Plan Phase Contrast Objective N-PLN PH 40x/0.65 Infinity Plan Phase Contrast Objective N-PLN PH 100x/1.25(Oil)
DIC	Polarizer For Transmit Light Source Turret DIC Condenser DIC Slide 10x, Used With Semi-APO Fluorescent Objective DIC Slide 20x/40x, Used With Semi-APO Fluorescent Objective DIC Slide 100x, Used With Semi-APO Fluorescent Objective DIC Slide With Analyzer 10x-20x DIC Slide With Analyzer 40x-100x
Fluorescent Attachment	<ul style="list-style-type: none">- Reflect LED Epi-Fluorescence Illuminator, Turret Disc With 6 Positions For Fluorescent Filter Block, With Protect Barrier- LED Light Source Module, For Fluorescent Filter B- LED Light Source Module, For Fluorescent Filter G- LED Light Source Module, For Fluorescent Filter U- LED Light Source Module, For Fluorescent Filter V- Fluorescent Filter FITC, BP460-495, BA510-550, DM505- Fluorescent Filter DAPI, BP360-390, BA435-485, DM415- Fluorescent Filter TRITC, BP528-553, BA578-633, DM565- Fluorescent Filter R, BP620-650, BA670-750, DM660- Fluorescent Filter Empty Block- Centering Plate- Protect Cover For Reflect Fluorescent Light, Placed On Light Collectory On Stand, For Auto Model
Other Accessories	Adapter To Adjust Eye Position Adapter To Lower The Stage Position 1" Short Eye Cover, For Eyepiece Long Eye Cover, For Eyepiece Eyepiece Micrometer, Cross Adapter Ring To Install Eyepiece Micrometer USB Cable

