



**Binocular Inclined 45° angle
LED Laboratory Microscope
with Plan Optics
High Performance & Stability**

**ADELTA[®]
OPTEC**
The Microscopes
with sharp images

ADELTAVISION[™]
Microscopes
Model No. AV51iB45 SH

AV51
Series
LED

AdeltaVision

Model AV51iB45 SH

Binocular Inclined 45° angle LED Laboratory Microscope

SPECIFICATIONS

Product Ordering Code : AV 134SH

Model No.	ADELTAVISION MODEL NO. AV51iB45 SH
Standard Main Frame	One piece die casted aluminium mould design, white semi gloss uniform textured finish antifungal PU paint.
Optical System	Finity Optical System, 160 mm tube length.
Built - in white LED illumination	High intensity precentered 3 watt LED, variable light intensity control with on/off switch Easy LED change. LED technology provides cool white even illumination, energy-efficient light for up to 1,00,000 hours.
Viewing Head (Anti-fungal)	45° inclined Sliding binocular viewing head, high transmission prisms (antifungal coated) 360° rotatable & secured, ±5 diopter adjustment on both tubes, inter-pupillary distance (I.P.D.) range 53~76mm.
Light division 50% : 50%	
Eye-piece lens (Anti-fungal)	High eye point WF 10x/18mm (paired), high eye point Wide field type Antifungal and High Transmission F.O.V. 18 mm.
'AV' Plan Achromat Objectives (Anti-fungal)	'AV' Adelta Optec high resolution Din size plan Achromat objectives fitted with multilayer coated lenses made from imported optical glass. DIN standard AV 4X (0.10 N.A), AV 10X (0.25 N.A), AV 40X (0.65 N.A) and AV 100X oil immersion (1.25N.A) spring loaded and silicon sealed. All are precisely parfocal, parcentered and color coded.
Precision Nose-piece	Quadruple objective turret is ball-bearing mounted for smooth, precise positioning of objectives, smooth forward turn, parfocal & parcenter, internal click stop with multiple bearings. Knurling on metal rim for grip.
Focusing Mechanism	Co-axial coarse with fine focusing system, multiple gear driven on roller guides. Coarse/Fine focusing range 24 mm. Fine focusing Knob is graduated in 2µm scale increments. Torque control (tension adjustment) & safety auto focus stop on coarse movement, allows user to lock & set upper limit of stage to prevent glass specimen slide from crashing into objective lens.
Mechanical stage rectangular	Precision ball bearing type, traverse 76mm (X) and 40mm (Y), vernier reading 0.1 mm. Low positioned co-axial knobs, soft feel and fluid movement. Size 135mm (L) X 120 mm (W) painted with hard PU paint.
Sub Stage Precentered Condenser	Precision Abbe condenser N.A. 1.25 Built into the stage plate, provides extra bright collimated & even illumination at all magnifications, High contrast is achieved by a built-in circular precision Iris diaphragm i.e. accurately centered. Vertical adjustment of condenser 18 mm adjustable by rack & pinion movement by left hand placed knob.
Power Supply	Plug-in external power adapter, that plugs into DC socket fitted into the microscope rear main frame with On/Off switch to activate the LED lamp. Input :100-240V~, 50/60Hz, 0.4A, Output : 5.0,1 A.
Accessories	Protection Cover, Allen Key, Power Adapter AC-DC 5V/1 A : 1 No., Instruction Manual : 1 No.
Packing	Microscope packed inside in styrofoam box and outer thick cardboard carton of the Dimension : Length x Width x Height (290mm x 290mm x 425mm), Product Net Weight 4.8 Kgs., Gross Weight : 5.8 Kgs. Approx
Optional (Not for Export)	Battery Backup 3.7V 1000 mAH Li-ion Battery backup 3 hours for led illumination on full capacity and battery backup 10 hours for led illumination on 35% capacity.

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer.
TO ENSURE CORRECT USAGE, READ USER'S INSTRUCTION MANUAL CAREFULLY BEFORE USING YOUR EQUIPMENT.

Adelta Optec
E-29, Jai Springs Road Industrial Area, Yamuna Nagar- 135001, Haryana, India
Phone : +91-1732-252738, +91 9306807669
Mobile : +91 9996000620
Email : adeltaoptec@gmail.com
Website : www.adeltaoptec.com

ADELTAVISION
MICROSCOPES
CE
ISO 9001 : 2015 Certified
ISO 13485 : 2016 Certified



Single Die Cast Frame
PLAN OPTICS