



**Product Code . JL-M-8082**

## Advanced Infinity Corrected Binocular Microscope

### Description

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A new generation of microscopes features High Contrast (HC) infinity corrected plan optics.

The compact body is designed for flexibility which can perform various applications such as brightfield, darkfield, phase contrast, and polarization.

The standard Kohler illumination system provides uniformly bright and free-from-glare specimen illumination, which optimizes a high image quality with brighter and sharper resolutions for photomicrography.

Equipped with 5w LED lamp, field diaphragm, Abbe condensers and other optical components.

#### Specification:-

<b>Viewing Head</b>	JLab binocular head which will not change the length in the eyepiece tubes when interpupillary adjustment is made.
	30° inclined and 360° rotatable, fully up or down swiveled eyepiece tubes to adjust the interpupillary distance.
	Interpupillary adjustment of 48mm-75mm

<b>Eyepiece</b>	Wide field (WF)10x/22mm
	High eyepoint, with eyeguard
	Both eyepieces are diopter adjustable, which allows the image and reticule to be brought into focus
	Optional reticule eyepiece for measurement purposes; choice of 0.1mm/1cm grid, 0.1mm scale
<b>Nosepiece</b>	Revolving reversed quintuple objective nosepiece accepts five objectives which are colour corrected
	The nosepiece runs on ball bearings and has internal click stops so that the image remains in focus
<b>Objectives</b>	Infinity corrected, high contrast (HC) Plan Achromatic DIN 4X/0.10 ?/0.17
	Infinity corrected, high contrast (HC) Plan Achromatic DIN 10X/0.25 ?/0.17
	Infinity corrected, high contrast (HC) Plan Achromatic DIN 20X/0.40 ?/0.17
	Infinity corrected, high contrast (HC) Plan Achromatic DIN 40XR/0.65 ?/0.17
	Infinity corrected, high contrast (HC) Plan Achromatic DIN 100XR/1.25 oil ?/0.17
	40XR and 100XR objectives are retractable which have resilient mounts for specimen protection
<b>Focusing System</b>	Low position coaxial coarse and fine focus knobs
	37.7mm per coarse rotation
	0.1mm per fine rotation, fine focus graduation of 1µm
	Focusing range 16mm
	Tension adjustment eliminates focus drift
<b>Stage</b>	216mmx150mm built-in double layer mechanical stage
	Smooth X/Y calibrated movement with cross travel range 7.5cm x 5.5cm
	Non-extending rack
	Graphite surface, rounded edges
<b>Illumination</b>	Built-in Kohler illumination with field diaphragm, provides uniformly bright and free-from glare illumination
	N.A. 1.25 Abbe condensers which height is controlled by a rack and pinion gear system of the specimen

	Adjustable aperture iris diaphragm incorporated into the condenser, which is important graduated scale indicates the approximate adjustment (size) of the aperture diaphragm
	5w LED for optimum illumination and contrast
	With light intensity control
Design	Ergonomically designed metal frame for stability and durability
	Carrying handle integrated in the back of the stand for easy carrying
	Arm and base made of one piece construction
	Antifungal treatment prevents fungal growth
	Cord holder for convenient storage
Optional Accessory	Dark field kit
	Phase contrast kit
	Polarizing kit

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