



Product Code . JL-M-8059

LED Kohler Illumination Binocular Microscope

Description

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JLab microscopes specifically feature high-resolution DIN objectives and a standard Kohler illumination system, which provides uniformly bright and free-from-glare specimen illumination.

Standard 1.25 N.A. condenser and iris diaphragm are also presented in this microscope.

This microscope is ideal for a wide variety of laboratory applications for advance grades and college studies.

With the 10X wide field eyepiece, it provides a total magnification of 40X, 100X, 400X and 1000X.

The reverse nosepieces contain 4 objectives: 4X, 10X, 40XR and 100XR.

Suitable for students in grades 8-12.

Available with either monocular or siedentopf binocular heads.

Features:-

The eyepiece is locked-on for security so that it won't be lost or damaged, and has a calibrated pointer that can be used to measure the specimens.

Built-in Mechanical stage allows for precise movements of the slide.

It is also easy to operate by simply twisting the base (turn wheel control) to adjust the size of the central aperture to match the N.A. of

the objective in use.

The stage has a positive stop at both ends of travel, which ensures that delicate specimens and optics are not damaged.

Reverse nosepiece makes it easier to place slides onto the stage from the front.

Kohler illumination with LED lighting; has light intensity control; provides evenly distributed light for high contrast.

Iris diaphragm has a clear optical plastic protection to prevent damages.

Light intensity control helps to achieve better contrast.

Specification:-

Viewing Head	Siedentopf Binocular head, 360° rotating inclined at 30°
	Interpupillary distance adjustment 55mm-75mm
Eyepiece	10X wide-field eyepieces, one with calibrated pointer; one can be locked on for second eyepiece
	Diopter included in one of the eyepiece tubes for binocular models
	Focus the eyepiece in conjunction with the fixed eyepiece to give equal sharpness to both eyes
Nosepiece	4-position reverse nosepieces
Objectives	Achromatic DIN objectives: 4X, 10X, 40XR, and 100XR (oil immersion); they color-corrected objectives are retractable (R)
Focusing System	Coaxial coarse and fine focusing control
	Rack and pinion coarse focusing
	Safety rack stop ensures delicate specimens and the objective lens are not damaged
	Tension adjustment eliminates focus drift
Stage	Built-in X-Y mechanical stage 14.3cm x 13.3cm with 0.1mm increments for precise movement
	Smooth X/Y calibrated movement with cross travel range 7.6cm x 3.8cm
Condenser	Focusable 1.25 N.A. Abbe condenser
	Can be moved up and down controlled by a rack and pinion mechanism system
	Iris diaphragm that has clear optical plastic protection to protect diaphragm from dust
	Turn wheel control makes it easy to adjust the size of central aperture of Iris diaphragm
Illumination	Koehler illumination, which includes a field diaphragm above the light source, permits precise focusing of the light source
	Built-in LED illumination system with light intensity control in the base
	Light intensity control helps to achieve better contrast
	LED bulb lifespan is 10,000 hours
	Three wire-grounded power cord for corded models only
Design	Full 16" in height with 8.8" x 7" base

