



## **Biological Microscope LD-LBM-E20**

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# Biological Microscope LD-LBM-E20

## Overview

Biological Microscope LD-LBM-E20 is advance research grade biological microscope with infinite corrected optical system. It offers five-field magnification power ranges from 40X to 1000X. Designed with gemel trinocular head with wide field eyepiece with diopter adjustment, Infinity Plan Semi-Apochromatic Fluorescent Objectives, DIC slide, a double layer mechanical stage, coaxial coarse and fine focusing system, N.A. 0.9 swing-out type achromatic condenser, and illumination with halogen lamp of 12 V, 100 W. Incorporated with 8.03 MP USB3.0 digital camera with advance software to capture images and videos. The camera is compatible with Windows XP/Vista/7/8/10, Mac OS X and Linux Operating System.

## Features:

- Adopting color corrected infinity optical system
- Bright Field Sextuple Nosepiece, With DIC Slot for 10X, 20X, 40X objectives
- N.A.0.9 swing-out type achromatic condenser
- High-Eye point Plan Eyepiece PL10X/25 mm, Diopter Adjustable
- Infinity Plan Semi-Apochromatic Fluorescent Objectives
- Coaxial coarse and fine focusing mechanism
- Low position working stage with adjusting hand wheel

## Applications:

This research grade biological microscope finds application in scientific research and testing across research units and laboratories of Medicine, Pharmacy, Life Science and other fields.

## Specifications:

<b>Eyepiece</b>	High-Eye point Plan Eyepiece PL10X/25 mm, Diopter Adjustable
<b>Focusing</b>	Coaxial Focus System With Upper Limited And Tension Adjustment, Coarse Adjustment Range: 25 mm, Fine Adjustment Precision: 0.001 mm
<b>Condenser</b>	N.A.0.9 swing-out type achromatic condenser, with iris diaphragm, and aperture scale, provides sufficient and uniform light for full-field observation in different magnifications
<b>Nosepiece</b>	Bright Field Sextuple Nosepiece, With DIC Slot
<b>Objective</b>	Infinity Plan Semi-Apochromatic Fluorescent Objectives 4X/0.13, W.D.= 18.5 mm 10X/0.3, W.D.= 10.6 mm 20X/0.5, W.D.= 2.33 mm

	40X0.75, W.D.= 0.6 mm 100X/1.3, W.D.= 0.21 mm
<b>Illumination</b>	12 V, 100 W, Halogen lamp, center adjusted
<b>Power supply</b>	110 V to 240 V, 50 Hz/60Hz
<b>Viewing head</b>	Gemel trinocular head, 30° inclined, Inverted Image, Interpupillary Distance 50 to 76 mm, Three Split Ratio 0:100, 20:80, 100:0
<b>Working Stage</b>	Double Layer Mechanical Stage, 187×166 mm, Moving Range 80×55 mm, Precision 0.1 mm, Double Direction Transmission, Left And Right Position Handle For Option. Tension of the Torque Adjustable.
<b>Optical system</b>	Color corrected infinity optical system