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# Fluorescence Microscope LD-LFM-A20

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Fluorescence Microscope **LD-LFM-A20** has design of Siedentopf type trinocular viewing head (dual light transform) inclined at 30°, 360° rotation, and interpupillary distance of 48 to 76 mm. This Microscope has attachment of Epi-fluorescence LED system to be used as fluorescence microscope. Designed with infinite plan objective 4X, 10X, 20X, 40X (s), 100X(s, oil). It features quintuple nosepiece, blue filter, built-in Koehler illuminator system, field diaphragm with center adjustable. Coaxial coarse and fine focusing adjustment with rack and pinion mechanism fine focusing interval 0.002 mm.

## Features :

- ❑ Siedentopf trinocular head, Inclined 30° and rotatable 360°
- ❑ Epi-fluorescence LED system to make for fluorescence purpose
- ❑ Designed with infinite plan objective 4X, 10X, 20X, 40X (s), 100X(s, oil)
- ❑ Built in Koehler illuminator system 6V/30 W Halogen lamp, field diaphragm, centre adjustable
- ❑ Designed with quintuple nosepiece
- ❑ WF 10X/23 mm (adjustable) eyepiece
- ❑ N.A. 0.9/0.13, swing out with iris diaphragm Condenser

## Application :

Fluorescence Microscope is used in microbiology, cytobiology, cell and tissue culture, cell engineering and hybridoma technique and other modern biological research also used for dynamic observation of the crystal surface growth and micro topography.

## SPECIFICATIONS:

Model	LD-LFM-A20
Viewing head	Siedentopf type trinocular head (dual light transform) inclined at 30°, 360° rotation, interpupillary adjustable distance 48 to 76 mm
Optical System	Infinite Optical System
Light distribution	100: 0 (100% for eyepiece)
	80: 20 (80% for trinocular head and 20% for eyepiece)
Eyepiece	WF 10X / 23 mm (adjustable)
Objective	Infinite plan objective 4X, 10X, 20X, 40X (s), 100X(s, oil)
Stage	Integrated stage, stage size: 182×140 mm and Travel range: 77×52 mm, tow slide holder
Epi-fluorescence LED system	B and G Excitation Filter, LED Power Source 5W LED Lamp House (B-LED Lamp / G-LED Lamp) Centering Objective
Condenser	N.A. 0.9/0.13, swing out with iris diaphragm
Focusing	Coaxial coarse and fine focusing adjustment with rack and pinion mechanism fine focusing interval 0.002 mm
Nosepiece	Quintuple
Illumination	Built in Koehler illuminator system 6V/30 W Halogen lamp, field diaphragm, centre adjustable
Filter	Blue
C- mount	0.57 × C-mount (focus adjustment)
Packing dimension	525 × 470 × 490 mm
Weight	20 kg