

# 3031 Inverted Microscope Series

The 3031 Microscope Series brings superior research level optics for the study of cultures and liquid deposits to laboratories, hospitals and educational institutions at an affordable price. The most advanced optical and mechanical components are incorporated to offer exceptional value, versatility and performance to meet the exacting requirements of life science professionals.

**Eyepieces:** WF10x eyepieces, 20mm field of view with built-in eye shields.

**Head:** Precise Siedentopf trinocular viewing head equipped with either a photo or CCTV adapter. Inclined 30° and rotatable 360° for maximum flexibility. Interpupillary distance settings (53-75mm) and diopter adjustment ( $\pm 5$ ). Eyepoint height is 400mm from the table.

**Stand:** Ergonomically designed with a comfortable low position coaxial coarse and fine focusing control and an adjustable tension control to maximize individual comfort and convenience. Acid resistant lustrous almond finish.

**Nosepiece:** Five hole, ball bearing nosepiece with positive click stops. Durable, wide rubber grip on turret makes switching objectives fast and easy. Vertical nosepiece movement.

**Objectives:** LWD DIN plan achromat or plan phase objectives (1.2mm cover glass required for 25x and 40x), parfocal, parcenter and color coded. 4x (N.A. 0.10) W.D. 17.9mm, 10x (N.A. 0.25), W.D. 8.1mm, 25x (N.A. 0.40), W.D. 4.8mm, 40x (N.A. 0.40), W.D. 3.3mm

CAT#	Viewing Head	Stage	Objectives	Condenser	Illumination System	Fluorescence Filters
3031	Trinocular	Mechanical	PL4x, PL10x, PL25x, PL40x	ULWD (N.A. 0.4), W.D. 70mm	6 volt 30 watt	None
3031-EPI	Trinocular	Mechanical	PL4x, PL10x, PL25x, PL40x	ULWD (N.A. 0.4), W.D. 70mm	6 volt 30 watt	UV, V, B and G
3031PH	Trinocular	Mechanical	PL4x, PLPH10x, PLPH25x, PLPH40x	LWD (N.A. 0.4), W.D. 50mm	6 volt 30 watt	None
3031PH-EPI	Trinocular	Mechanical	PL4x, PLPH10x, PLPH25x, PLPH40x	LWD (N.A. 0.4), W.D. 50mm	6 volt 30 watt	UV, V, B and G

Filter	Excitation Spectrum Area	Fluorescence Starting Spectrum
Ultraviolet (UV)	330 – 400 nm	425 nm
Violet (V)	395 – 415 nm	425 nm
Blue (B)	420 – 485 nm	515 nm
Green (G)	460 – 550 nm	590 nm

**Stage:** Extra-large professional double-plate graduated mechanical stage (256 mm x 223mm) with vernier scales to provide accurate specimen location. Travel area 79mm (X) x 112 mm (Y), with a super low position right-hand control. Each model is provided with three dish/sample holders.

**Stage Plates:** Each model is provided with a dual-purpose  $\varnothing$  60mm petri-dish, slide holder insert and an exchangeable insert plate to accommodate well-plates.

**Sub-stage:** 3031/3031-EPI models supplied with pre-centered, ultra long working distance (70mm) N.A. 0.4 Abbe condenser with iris diaphragm. 3031PH and 3031PH-EPI models supplied with pre-centered, long working distance (50mm) N.A. 0.4 turret phase condenser with iris diaphragm. Both condensers are adjustable by advanced rack and pinion control.

**Illumination:** 6 volt 30 watt halogen bulb with built-in frosted and heat absorbing filters.

**Fluorescent Illuminator:** 100 watt mercury power supply with Osram® HBO 100 W/2 lamp.

**Optional Accessories:** WF15x (15mm F.O.V.) & WF20x (11mm F.O.V.) eyepieces and 21mm reticles.

**Dimensions:** 3031/3031PH models: 21" x 9" x 22.5". 3031-EPI/3031PH-EPI models: 27" x 9" x 22.5"



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Distributed By:



**Warranty:** 5 years for manufacturing defects supplied with each microscope.

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