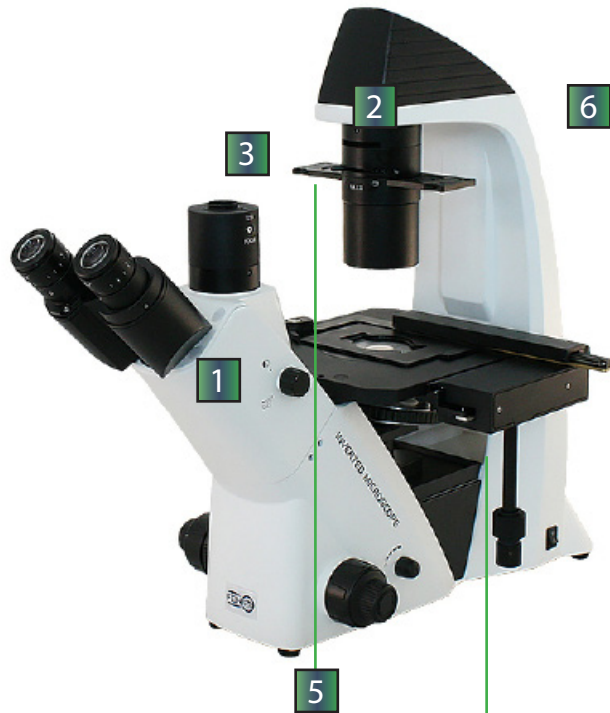




IRB20 Inverted Microscopes



IRB20 Inverted Microscope Features



1 Ergonomically inclined trinocular head with eyetubes at 45° places user in the best working position, creating less tension and fatigue. Interpupillary distance is adjustable from 48~76mm. Knob below eyepieces engages beam splitter.

2 Field diaphragm adjustment lever.

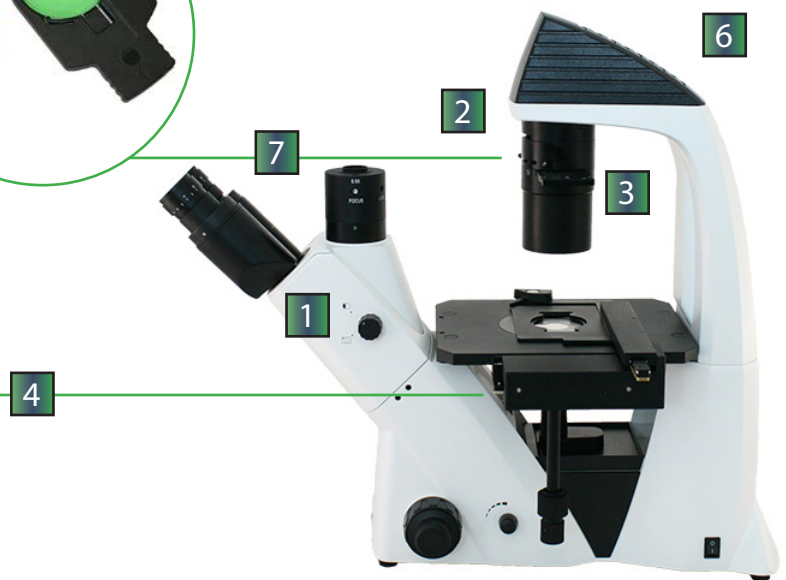
3 LWD condenser with phase slider, NA 0.30 with working distance 55mm, iris diaphragm.

4 Attachable mechanical stage with movement range of 114mm x 77mm. Slide holder and insert holds 55mm diameter petri dish.

5 3-position phase slider fits into LWD condenser. Slider has positions for 10xPH, 20x/40xPH, and brightfield.

6 LED illumination with intensity control.

7 Filter holder for green interference & blue filter.



IRB20 Inverted Microscope Features



Widefield 10x/23 Eyepieces

High eyepoint, focusing widefield 10x eyepieces with a FN of 23 provide crisp, clear images with a wide field of view.

Focusing C-Mount Adapter

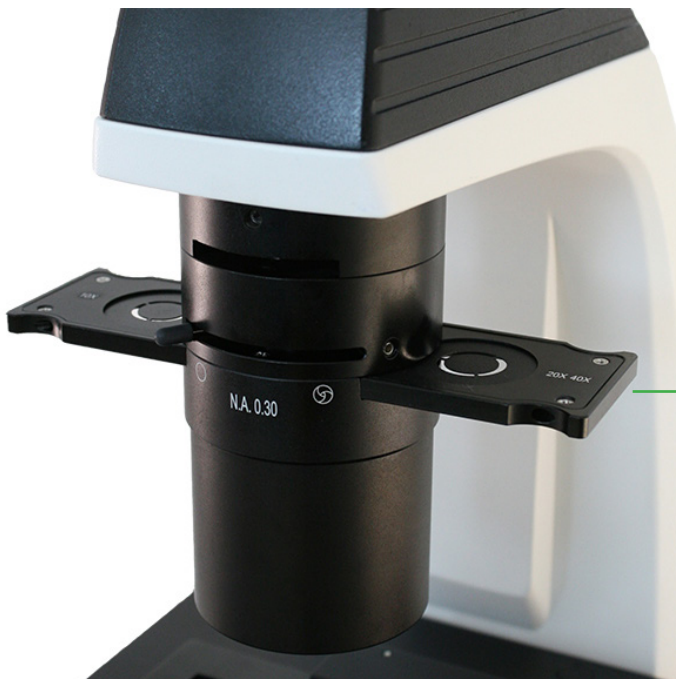
Focusing 0.5x c-mount adapter allows the camera and eyepieces to always be in focus simultaneously.



Phase Contrast

Phase contrast accessories include a phase centering telescope, LWD plan phase objective lenses, green interference filter and a phase slider. The phase slider has 3 positions: BF, 10x Phase, and 20x/40x Phase.

Direct light to the camera or the eyepieces with the turn of a knob.

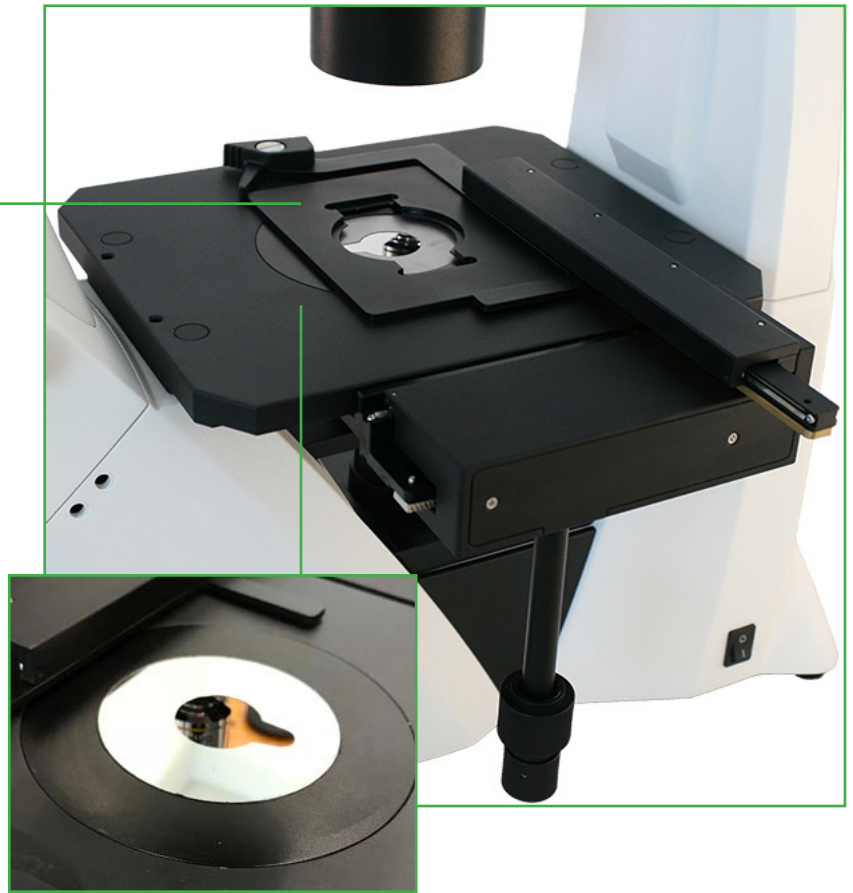


IRB20 Inverted Microscope Features

Mechanical Stage



Mechanical stage is available with 114mm x 77mm X-Y travel. Mechanical stage includes slider holder and stage insert for 55Ø petri dish holder.



Focus Tension Control



If the focusing tension becomes loose over time it can easily be adjusted to desired tension with the tension adjustment knob.

Carrying Handle for Safe Transport

The built-in carrying handle on the back of the IRB20 inverted microscope makes transporting the microscope safer and helps prevent grasping the stage or other breakable parts when moving the microscope.



IRB20 Inverted Microscope Specifications

Optical System	Infinity Color Corrected Optical System
Viewing Head	45° inclined siedentopf trinocular head. Interpupillary distance adjustable 48~76mm, diopter adjustable.
Eyepieces	WF10x widefield, high eyepoint plan eyepieces, FN23. Reticle retaining ring for 26mm diameter reticle.
Objective Lenses	Infinity Corrected LWD Plan Achromat 4x, NA 0.11.
	Infinity Corrected Plan Achromat Phase Contrast 10x, NA 0.25, WD = 4.3mm.
	Infinity Corrected Plan Achromat Phase Contrast 20x, NA 0.40, WD = 8mm.
	Infinity Corrected Plan Achromat Phase Contrast 40x, NA 0.60, WD = 3.5mm.
Nosepiece	Revolving quintuple nosepiece.
Focus Adjustment	Low-position coaxial focusing system with tension adjustment, coarse focusing range 9mm. Fine adjustment precision of 0.002mm.
Body	External power supply, select 110~240V.
Stage	Fixed stage 227mm x 208mm. Mechanical stage available with 114mm (X) x 77mm (Y) travel with holder for slide, 55mm Ø petri dish holder.
Condenser	Extra long working distance condenser WD = 55mm, NA 0.3, with iris diaphragm.
Illumination	LED illumination.
Phase Contrast Slider	Phase contrast slider for 10x, 20x / 40x phase and brightfield observation.
Centering Telescope	Includes phase centering telescope.
C-Mount Adapter	Focusing 0.5x c-mount adapter.
Reticle	Cross-line, ruler, grid reticles available, 26mm diameter.



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