

Innovation Microscope

The Innovation microscope is equipped to ease the burden on the busiest and most discriminating lab technicians and specialists.

Powerful performance, crisp clarity, and rugged construction, backed by a lifetime warranty on optical and mechanical components, make the Innovation a valued addition to any laboratory.

HEAD

Binocular (Seidentopf), Trinoc available
Digital cameras available
Diopter adjustment +/-5 (built into each eyepiece)
Inclined 30°, rotates 360°
10X/22 Super WF HP eyepieces
(15X/16 eyepieces available)
30mm eyetube
Interpupillary distance range 50-75mm

NOSE PIECE

Reverse quadruple / quintuple nosepiece
Multiple ball bearing mounted

OBJECTIVES

Infinity High Contrast Plan objectives
Choose from 4- or 5-hole nosepiece
4X, 10X, 40XR, 100XR (oil) with
the 4-hole nosepiece
4X, 10X, 20X, 40XR, 100XR (oil)
with the 5-hole nosepiece
50X (oil) and 60X dry objectives
are also available
Anti-fungal, parfocal, parcentric, color-coded

STAGE

Double Layer Mechanical Stage
(216mm X 150mm)
Graphite-Coated Surface
Coaxial drive controls, rackless
Range of traverse: 75mm x 55mm
Slow-close hydraulic slide finger

ILLUMINATION

Movable Abbe condenser, NA 1.25
Iris Diaphragm
LED provides 50,000 hours of light
and consistent, even brightness
Variable light adjustment
Simple Kohler illumination
90-240V / 50-60Hz automatic-switching
power input



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Model #	Description
J0334IB4	Innovation, Plan, Binocular, 4 Objectives 4x-10x-40x-100x, LED Illumination
J0334IT4	Innovation, Plan, Trinocular, 4 Objectives 4x-10x-40x-100x, LED Illumination
J0334IB5	Innovation, Plan, Binocular, 5 Objectives 4x-10x-20x-40x-100x, LED Illumination
J0334IT5	Innovation, Plan, Trinocular, 5 Objectives 4x-10x-20x-40x-100x, LED Illumination
J0334IT4X	Innovation, Plan, Trinocular, 4 Objectives 4x-10x-40x-100x, LED Illumination w/ BioVIEW

FOCUS

Coarse adjustment: range of 18mm
Fine adjustment: graduation of 0.001mm
Tension control knob

WEIGHT AND DIMS

Height: 16 in (406 mm)
Length: 15 in (381 mm)
Width: 8.5 in (216 mm)
Weight: 14.2 lbs (6.4 kg)

PACKAGING

21 lbs (9.5 kg)
21 in x 16 in x 13 in
(533 mm x 406 mm x 330mm)

HARD CARRY CASE

15 lbs (6.8 kg)
22 in x 18 in x 12 in
(559 mm x 457 mm x 305mm)

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F 970-663-5042

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Infinity Flat-Field Objectives:

Developed with high-contrast infinity PLAN objectives, the Innovation microscope produces sharp, crisp, flat-field images across the entire field of view. The infinity optical system, as found on the most expensive research microscopes, is the premium platform for the highest contrast and resolution.



Objective Choices:

The 4-objective model features the most common configuration - 4x-10x-40x-100x (oil) - on a 4-hole reverse nosepiece. The 5-objective model is ideal for laboratory and research use. It offers a 4x-10x-20x-40x-100x (oil) configuration on a 5-hole reverse nosepiece.



Eyepieces:

The 10x/22mm eyepieces are the largest and widest-viewing eyepieces in this microscope class. The physical eye-tube diameter is 30mm, much larger than standard 23mm eyepieces, and the field number 22mm allows for a much broader view under each objective power.



Stage:

The large, graphite-coated mechanical stage stands up to years of wear and tear. The rackless, belt-drive system allows the stage to operate smoothly, comfortably, and safely by eliminating the left and right projection of the gear track as on traditional microscopes.



Ergonomics:

Its ergonomic, durable design ensures comfort and dependability for hours of daily use. The narrow front and low controls allow for arms and hands to rest flat on the table, reducing arm and shoulder strain. The rubber feet and wide rear footprint keep the microscope stable and reduce vibration for steady viewing.



LED Kohler Illumination:

The bright, white, uniform LED illumination maintains constant daylight-color, showing stained specimens in their true vibrant colors. With variable intensity, it is more than bright enough for routine brightfield microscopy and also well suited for applications such as phase contrast and darkfield.