

INVE800L Series Biological Compound Research Grade Inverted Microscope

Product Details

Product Number

PRO6442



Technical Specification:

The INVE800L features an ergonomically designed frame and an excellent optical system, providing clear micro-images and simple operation.

- Specifically designed for cell tissue culture, INVE800L highlights cell outlines and internal structures with high contrast and resolution, meeting the needs of basic laboratory research.
- Based on the core concepts of energy saving and environmental protection, it is manufactured more intelligently and has a longer lifespan.

sturdy structure

The INVE800L utilizes high-pressure die-cast technology to create a durable aluminum alloy body, resulting in a robust construction. Powder-coated surfaces, lens coatings, and corrosion- and wear-resistant processes ensure a beautiful, smooth surface, enabling long-term operation in even the most challenging environments.

Safe and efficient LED lighting

Using CREE 5W LED lights, it is energy-saving, long-lasting, heat-free, stable and safe.

Different instruments are applied to each sample

A convenient frame with a large stage measuring 215mmX250mm can be used to attach various sample holders such as culture dishes, culture bottles, multi-column plates, and mechanical stages

Wide-area flat eyepiece

The 10x eyepiece provides a clear field of view up to 22mm, making it easy to find your target. The increased field of view effectively relieves visual fatigue.

Standard 20x phase contrast objective lens

4x, 10x, 40x standard objectives with very long working distances and a standard recommended 20x phase contrast objective provide sharp, high-contrast images.

Phase difference kit

A dedicated phase contrast plate ensures the best contrast images of living cells or other raw samples when working with Sunny phase contrast objectives.

Perfect accessories to suit your needs; Colo cameras and image software that deliver realistic, professional images

Practical “sample target” function

The newly designed objective lens, which is equipped with ink inside to mark the target, is very practical and effective for extracting target cells when observing and culturing living cells.

Smartphone Connection Kit

You can connect the microscope to your smartphone by attaching a specially designed kit to the eyepiece tube, and capture photos or videos in real time.

In keeping with the digital imaging microscope system, Colo offers a variety of high-quality cameras. These cameras provide digital images using natural color technology. General image analysis is also possible with COLO's MVImage software.

Technical specifications

Optical System	Infinity color corrected optical system
Viewing Head	45° inclined trinocular head, 360° rotatable, inter-pupillary range: 50-75mm, fixed splitting ratio=5:5

Eyepiece	High eye-point wide field plan eyepiece PL10X/22mm, with adjustable diopter, micrometer attachable
	High eye-point wide field plan eyepiece PL15X/16mm, with adjustable diopter
Objective	Infinity plan achromatic objectives 4X/10X/20X/40X/60X
	Infinity plan phase contrast objectives 4X/10X/20X/40X
	Infinity plan fluorescence objectives 4X/10X/20X/40X/60X
	Infinity plan phase contrast and fluorescence objectives 20X/40X
Nosepiece	Quintuple nosepiece
Frame	Biological frame with coaxial focus system, coarse range: 9mm (6.5mm up and 2.5 down), fine precision: 0.002mm. With upper limit and tension adjustment.
	External wide voltage transformer, 100V-240V input and 12V5A output; 5W LED with light indicator, intensity adjustable. With infrared induction.
Stage	215mm X 250mm fixed stage; mechanical stage attachable, moving range: 120mm X 80mm; extension plate; slide holder;
	Petri dish holder; Terasaki holder; metal plate; glass plate.
Condenser	NA0.3 long working distance condenser, demountable.
Camera adapter	0.35X, 0.5X, 0.65X, 1X C-mount adapter
Others	Color temperature change filter, green interference filter, infrared eliminate filter

Accessories: