Resource Summary Report

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Nikon: TE300 Inverted Fluorescence Microscope

RRID:SCR_020329
Type: Tool

Proper Citation

Nikon: TE300 Inverted Fluorescence Microscope (RRID:SCR_020329)

Resource Information

URL: https://www.labx.com/product/nikon-te300

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Description: Advent of the infinity-corrected CFI60 optical system spurred Nikon design engineers to upgrade their research-caliber inverted microscope from the Diaphot 300 to the Eclipse TE300 in 1997. The vastly improved instrument provides longer working distances that accommodate a wide variety of culture vessels and thick specimens, while maintaining high numerical apertures to ensure suitable levels of brightness, imaging contrast, resolution, and sharpness. The paired oculars of the instrument provide a standard 22-millimeter field of view, but like other microscopes in the Eclipse line, the Nikon TE300 is highly modular and provides several options for binocular and trinocular tubes, condensers, stages, and illumination systems. The standard condenser system fabricated for the Nikon TE300 microscope consists of a series of condenser top lenses and a five-position turret assembly with components for phase, differential interference, and Hoffman modulation contrast techniques. Also, Nikon designers patented a video enhancement contrast system for the microscope that features special polarizers and analyzers that enable the visualization of low contrast minutiae that would ordinarily go unnoticed by traditional video imaging methods.

Resource Type: instrument resource

Keywords: Nikon, Inverted Fluorescence Microscope, Instrument Equipment, USEDit

Availability: Commercially available

Resource Name: Nikon: TE300 Inverted Fluorescence Microscope

Resource ID: SCR_020329

Alternate IDs: Model_Number_TE300

Record Creation Time: 20220129T080349+0000

Record Last Update: 20260725T190927+0000

Ratings and Alerts

No rating or validation information has been found for Nikon: TE300 Inverted Fluorescence Microscope.

No alerts have been found for Nikon: TE300 Inverted Fluorescence Microscope.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.