

Resource Summary Report

Generated by [kravitz2](#) on Jul 29, 2026

Nikon: Eclipse TS100-F Eclipse

RRID:SCR_020324

Type: Tool

Proper Citation

Nikon: Eclipse TS100-F Eclipse (RRID:SCR_020324)

Resource Information

URL: <https://www.thelabworldgroup.com/nikon-eclipse-ts100-f-inverted-microscope-camera>

Proper Citation: Nikon: Eclipse TS100-F Eclipse (RRID:SCR_020324)

Description: Nikon Eclipse TS100-F Inverted Microscope comes from a long line of microscopes. The Halogen bright-field lamp provides enough light for phase contrast and NAMC viewing. The Eclipse TS100-F Inverted Microscope Sidentopf eye piece from Nikon delivers constant brightness throughout the entire field of view. This microscope is best for applications such as tissue culture, plaque measurement and blood typing. Used in combination with Narishige manipulators, also available from Nikon, these microscopes can be used for a range of micromanipulation techniques necessary for cyto-engineering, developmental and genetic engineering, electrophysiology, pharmacology and neurochemistry. Eco-illumination provides a long lifetime of 60,000 hours and reduces the frequency of lamp replacement. Nikon Eclipse TS 100 highly acclaimed CFI60 optical system is used, providing flat, sharp and clear images, while achieving longer working distances and higher numerical apertures. The Eclipse TS100 is also outfitted for phase contrast applications with a phase ring slider and filter, and is camera mount ready. The compact high-performance inverted Nikon ECLIPSE TS100-F Microscope uses Eco-illumination, a newly developed LED illumination. Eco-illumination provides enough brightness for phase contrast and NAMC observations on the Nikon Eclipse TS100 F. With a fly-eye lens, uniform brightness is provided in the entire field of view. LEDs are an environmentally friendly low-power-consumption light source. Eco-illumination provides a long lifetime of 60,000 hours and reduces the frequency of lamp replacement. Nikon's highly acclaimed CFI60 optical system is used, providing flat, sharp and clear images, while achieving longer working distances and higher numerical apertures. The Nikon Eclipse TS100F is best for applications such as tissue culture, plaque measurement and blood typing. Used in combination with Narishige manipulators, also available from Nikon, these microscopes can be used for a range of micromanipulation techniques necessary for cyto-engineering, developmental and genetic engineering, electrophysiology, pharmacology and neurochemistry.

Resource Type: instrument resource

Keywords: Nikon, Inverted Microscope, Instrument Equipment, USEDit

Availability: Commercially available

Resource Name: Nikon: Eclipse TS100-F Eclipse

Resource ID: SCR_020324

Alternate IDs: Model_Number_TS-100F

Record Creation Time: 20220129T080349+0000

Record Last Update: 20260725T190925+0000

Ratings and Alerts

No rating or validation information has been found for Nikon: Eclipse TS100-F Eclipse.

No alerts have been found for Nikon: Eclipse TS100-F Eclipse.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Saha S, et al. (2025) Acute dietary methionine restriction triggers cell cycle arrest and reversible growth defects in the neocortex. iScience, 28(6), 112705.

Wang R, et al. (2024) Kaempferol-3-O-sophoroside (PCS-1) contributes to modulation of depressive-like behaviour in C57BL/6J mice by activating AMPK. British journal of pharmacology, 181(8), 1182.