

Resource Summary Report

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Nikon: ECLIPSE Ti2 inverted microscope

RRID:SCR_021068

Type: Tool

Proper Citation

Nikon: ECLIPSE Ti2 inverted microscope (RRID:SCR_021068)

Resource Information

URL: https://www.microscope.healthcare.nikon.com/en_EU/products/inverted-microscopes/eclipse-ti2-series

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Description: Inverted microscope delivers unparalleled 25mm field of view. With this FOV, the Ti2 maximizes sensor area of large format CMOS cameras without making compromises, and significantly improves data throughput. Stable, drift free platform designed to meet demands of super resolution imaging with high speed imaging applications. Status of each sensor is automatically recorded during acquisition, providing quality control for imaging experiments and enhancing data reproducibility.

Synonyms: ECLIPSE Ti2, Nikon ECLIPSE Ti2

Resource Type: instrument resource

Keywords: Nikon, inverted microscope, Instrument, Equipment, USEDit

Availability: Commercially available

Resource Name: Nikon: ECLIPSE Ti2 inverted microscope

Resource ID: SCR_021068

Alternate IDs: Model_Number_Ti2

Record Creation Time: 20220129T080353+0000

Record Last Update: 20260905T132934+0000

Ratings and Alerts

No rating or validation information has been found for Nikon: ECLIPSE Ti2 inverted microscope.

No alerts have been found for Nikon: ECLIPSE Ti2 inverted microscope.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Dong Z, et al. (2026) Piezo3 is a novel mechanosensitive Piezo ion channel in vertebrates. bioRxiv : the preprint server for biology.

van Bodegraven EJ, et al. (2026) Protocol to quantify glioblastoma cell invasion and nuclear deformations in 3D hydrogels. STAR protocols, 7(3), 104632.

Wang D, et al. (2026) PRMT5 is Frequently Upregulated and a Potential Therapeutic Target in MTAP-deficient Malignant Peripheral Nerve Sheath Tumors. bioRxiv : the preprint server for biology.

Ni J, et al. (2026) CD70 regulates the NF1/Ras/ERK axis to promote metastatic potential in clear cell renal cell carcinoma. Cancer cell international, 26(1).

Sandoval KIO, et al. (2026) EMMIs: Engineered Myometrial Microtissues for Direct Quantification of Oxytocin-Induced Contractility. bioRxiv : the preprint server for biology.

Nguyen N, et al. (2026) Transcranial microtesla magnetic fields suppress neuroinflammation and neuronal oxidative stress burden. iScience, 29(1), 114425.

Lueck J, et al. (2026) Dimerization-dependent gel-like condensation with dsDNA underpins the activation of human cGAS. Cell reports, 45(2), 116920.

Wu Y, et al. (2026) Stress-Induced ADGRL4 Orchestrates Tumor Progression and Metastasis by Inhibiting YAP1 Signaling and Activating Angiogenesis. Cancer research, 86(11), 2743.

Banerjee M, et al. (2026) FASN Inhibition Enhances the Efficacy of Chemotherapy in Colorectal Cancer by Inhibiting the DNA Damage Response. Cancer research, 86(10), 2522.

Bacher MC, et al. (2026) Divergent Rickettsia species exhibit distinct mechanisms of actin-based motility. The Journal of cell biology, 225(7).

Rajput S, et al. (2025) SBFI Inhibitors Reprogram Transcriptomic Landscape of Prostate Cancer Cells Leading to Cell Death. Cancers, 17(23).

Kim J, et al. (2025) AldoC BAC-GFP transgenic mice as a reliable model for astrocyte identification and functional studies in the brain. *Molecular brain*, 19(1), 2.

Emerson J, et al. (2025) Early transcriptomic perturbations highlight the spinal cord as a key pathogenic region in spinocerebellar ataxia type 3. *Frontiers in cellular neuroscience*, 19, 1735225.

Lou E, et al. (2025) SARS-CoV-2 infection drives local inflammation of the intestinal epithelium in immunocompromised patients with cancer. *iScience*, 28(9), 113438.

Kr??ger C, et al. (2025) Epidermal growth factor receptor specific immunotherapy for SHH medulloblastoma tested in an in vitro blood-brain barrier-model. *Cancer treatment and research communications*, 44, 100950.

Bloom J, et al. (2025) Hybrid incompatibility emerges at the one-cell stage in interspecies *Caenorhabditis* embryos. *Current biology : CB*, 35(14), 3530.

Sakurai J, et al. (2024) Effects of blastocyst elongation and implantation chamber formation on the alignment of the embryonic axis and uterine axis in mice. *Frontiers in cell and developmental biology*, 12, 1421222.

Baumann V, et al. (2024) Faa1 membrane binding drives positive feedback in autophagosome biogenesis via fatty acid activation. *The Journal of cell biology*, 223(7).

Vidya E, et al. (2024) EDC-3 and EDC-4 regulate embryonic mRNA clearance and biomolecular condensate specialization. *Cell reports*, 43(10), 114781.

Ahtiainen A, et al. (2024) Astrocytes facilitate gabazine-evoked electrophysiological hyperactivity and distinct biochemical responses in mature neuronal cultures. *Journal of neurochemistry*, 168(9), 3076.