Resource Summary Report

Generated by T1D on Aug 15, 2026

Nikon: A1 Confocal Laser Scanning Microscope System

RRID:SCR_020318
Type: Tool

Proper Citation

Nikon: A1 Confocal Laser Scanning Microscope System (RRID:SCR_020318)

Resource Information

URL: https://www.microscope.healthcare.nikon.com/about/news/nikon-instruments-a1-confocal-laser-microscope-series-with-nis-elements-c-software-delivers-fully-integrated-comprehensive-confocal-imaging-capabilities

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Description: Basic confocal system consisting of a separate scan head, standard 5 PMT detectors, control module, and laser module. The A1 has a new multi-detector unit with 2 GaAsp PMT detectors to give brighter signals, enhanced signal-to-noise, and allow less phototoxicity.Fully automated A1 offers standard paired galvanometers with high resolution scanning at up to 4096 x 4096 pixels.

Resource Type: instrument resource

Keywords: Nikon, Confocal Laser Microscope, Instrument Equipment, USEDit

Availability: Commercially available

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_020318.pdf

Resource Name: Nikon: A1 Confocal Laser Scanning Microscope System

Resource ID: SCR_020318

Alternate IDs: Model_Number_A1

Record Creation Time: 20220129T080349+0000

Record Last Update: 20260815T182635+0000

Ratings and Alerts

No rating or validation information has been found for Nikon: A1 Confocal Laser Scanning Microscope System.

No alerts have been found for Nikon: A1 Confocal Laser Scanning Microscope System.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Zhang W, et al. (2025) RACK1 attenuates pancreatic tumorigenesis by suppressing acinar-to-ductal metaplasia through inflammatory signaling modulation. Cellular oncology (Dordrecht, Netherlands).

Lamichhane A, et al. (2025) Targeting CAFs-Mediated Stromal Signaling in a Patient-Derived Organotypic Colorectal Tumor Model. Molecular cancer therapeutics, 24(8), 1265.

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.

Izumi M, et al. (2024) Autophagosome development and chloroplast segmentation occur synchronously for piecemeal degradation of chloroplasts. eLife, 12.

Vanhoutte D, et al. (2024) Thbs1 regulates skeletal muscle mass in a TGF?-Smad2/3-ATF4-dependent manner. Cell reports, 43(5), 114149.

Boutin L, et al. (2024) Camelid-derived Tcell engagers harnessing human ?? T cells as promising antitumor immunotherapeutic agents. European journal of immunology, 54(8), e2350773.

Subramanian A, et al. (2023) Mechanical force regulates Sox9 expression at the developing enthesis. Development (Cambridge, England), 150(16).

Prokhorenko MA, et al. (2023) Astrocyte store-operated calcium entry is required for centrally mediated neuropathic pain. bioRxiv : the preprint server for biology.

Huo J, et al. (2023) MCUb is an inducible regulator of calcium-dependent mitochondrial metabolism and substrate utilization in muscle. Cell reports, 42(11), 113465.

Kraus KL, et al. (2022) Hippocampal interneurons are direct targets for circulating glucocorticoids. The Journal of comparative neurology, 530(12), 2100.