

Resource Summary Report

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Zeiss: Lightsheet Z.1 Fluorescence Microscope

RRID:SCR_020919

Type: Tool

Proper Citation

Zeiss: Lightsheet Z.1 Fluorescence Microscope (RRID:SCR_020919)

Resource Information

URL: https://neuroscience-a2.sites.medinfo.ufl.edu/wordpress/files/2023/11/EN_product-info_Lightsheet-Z.1_rel-2.3.pdf

Proper Citation: Zeiss: Lightsheet Z.1 Fluorescence Microscope (RRID:SCR_020919)

Description: Light sheet fluorescence microscope for the imaging of large cleared specimens. Lightsheet Z.1 with Clr Plan-Apochromat 20x/1.0 Corr nd=1.38 is used to perform experiments with tissue cleared by Scale medium (Hama et al, Nat Neurosci. 2011), which has a refractive index of n=1.38.

Synonyms: Zeiss Lightsheet Z.1

Resource Type: instrument resource

Keywords: Zeiss, Fluorescence Microscope, Inverted Upright Microscope, Instrument Equipment, USEDit

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_020919.pdf

Resource Name: Zeiss: Lightsheet Z.1 Fluorescence Microscope

Resource ID: SCR_020919

Alternate IDs: Model_Number_Zeiss_Lightsheet_Z.1

Old URLs: <https://www.zeiss.com/microscopy/us/products/imaging-systems/lightsheet-z-1.html>

Record Creation Time: 20220129T080352+0000

Record Last Update: 20260905T132931+0000

Ratings and Alerts

No rating or validation information has been found for Zeiss: Lightsheet Z.1 Fluorescence Microscope.

No alerts have been found for Zeiss: Lightsheet Z.1 Fluorescence Microscope.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Zhou S, et al. (2026) Vascular normalization by erianin unleashes CAR-T immunotherapy in glioblastoma. *Angiogenesis*, 29(2), 18.

Dominguez MH, et al. (2025) 4D light sheet imaging, computational reconstruction, and cell tracking in mouse embryos. *STAR protocols*, 6(1), 103515.

Martinez-Alarcon O, et al. (2025) Prolactin drives cortical neuron maturation and dendritic development during murine embryonic stem cell differentiation. *Frontiers in cell and developmental biology*, 13, 1551090.

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.

Lu F, et al. (2023) Pharmacological Ischemic Conditioning with Roxadustat Does Not Affect Pain-Like Behaviors but Mitigates Sudomotor Impairment in a Murine Model of Deep Hind Paw Incision. *Journal of pain research*, 16, 573.