

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 31, 2026

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: 20260725T190937+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 3 mentions in open access literature.

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

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.

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.