

Resource Summary Report

Generated by PRECISE-TBI on Aug 9, 2026

Zeiss: LSM 700 microscope

RRID:SCR_017377

Type: Tool

Proper Citation

Zeiss: LSM 700 microscope (RRID:SCR_017377)

Resource Information

URL: <https://medicine.ecu.edu/core-imaging/wp-content/pv-uploads/sites/288/2019/10/lsm-700-quick-guide.pdf>

Proper Citation: Zeiss: LSM 700 microscope (RRID:SCR_017377)

Description: Laser scanning confocal microscope designed for high-quality imaging of biological and material samples. Member of the seventh generation of confocal microscopes from Carl Zeiss. Point scanning confocal microscope., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Synonyms: LSM 700 Laser Scanning Microscope

Resource Type: instrument resource

Keywords: Point, scanning, confocal, microscope, Zeiss

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_017377.pdf

Resource Name: Zeiss: LSM 700 microscope

Resource ID: SCR_017377

Alternate IDs: Model_Number_LSM_700

Alternate URLs: <https://medicine.ecu.edu/core-imaging/wp-content/pv-uploads/sites/288/2019/10/lsm-700-quick-guide.pdf>

Old URLs:

[https://applications.zeiss.com/C125792900358A3F/0/3B0ABFD289A23BD3C12579060047F817/\\$F11-0022_e_LSM700.pdf](https://applications.zeiss.com/C125792900358A3F/0/3B0ABFD289A23BD3C12579060047F817/$F11-0022_e_LSM700.pdf)

Record Creation Time: 20220129T080335+0000

Record Last Update: 20260808T190109+0000

Ratings and Alerts

No rating or validation information has been found for Zeiss: LSM 700 microscope.

No alerts have been found for Zeiss: LSM 700 microscope.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

Monteiro AC, et al. (2026) OPG-Producing B Cells and RANKL-Expressing T Cells Define Immune Signatures Predictive of Bone Metastases in Breast Cancer. Cancer research communications, 6(1), 85.

Wang J, et al. (2026) Tumor-Resident Streptococcus pneumoniae Promotes Malignant Progression and Pazopanib Resistance in Clear Cell Renal Cell Carcinoma. Cancer research, 86(9), 2237.

Kim MJ, et al. (2026) Excessive epithelial mechanosensation drives nociceptive innervation and chronic bladder pain via the PIEZO1-SLC7A11-glutamate axis. Cell.

Nita A, et al. (2025) FGFR2 residence in primary cilia is necessary for epithelial cell signaling. The Journal of cell biology, 224(7).

Hallbeck M, et al. (2025) Protocol for immunodetection of ??-synuclein pathology in paraffin-embedded liver tissues from murine models of Parkinson's disease. STAR protocols, 6(4), 104158.

Reza E, et al. (2025) Investigating the expression and role of N-Myc in spermatogonial stem cells and male infertility. Annals of anatomy = Anatomischer Anzeiger : official organ of the Anatomische Gesellschaft, 259, 152391.

Kuno S, et al. (2025) Multivalent afadin interaction promotes IDR-mediated condensate formation and junctional separation of epithelial cells. Cell reports, 44(3), 115335.

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).

Yada Y, et al. (2024) STIM-mediated calcium influx regulates maintenance and selection of germinal center B cells. The Journal of experimental medicine, 221(1).

- Kiriyama K, et al. (2024) Novel synthetic biological study on intracellular distribution of human GlcNAc-1-phosphotransferase expressed in insect cells. *Journal of biochemistry*, 175(3), 265.
- Dingare C, et al. (2024) Mannose controls mesoderm specification and symmetry breaking in mouse gastruloids. *Developmental cell*, 59(12), 1523.
- Gellert J, et al. (2024) Tumoral Interferon Beta Induces an Immune-Stimulatory Phenotype in Tumor-Associated Macrophages in Melanoma Brain Metastases. *Cancer research communications*, 4(8), 2189.
- Altay MF, et al. (2023) Development and validation of an expanded antibody toolset that captures alpha-synuclein pathological diversity in Lewy body diseases. *NPJ Parkinson's disease*, 9(1), 161.
- Laval T, et al. (2023) Click-chemistry-based protocol to quantitatively assess fatty acid uptake by *Mycobacterium tuberculosis* in axenic culture and inside mouse macrophages. *STAR protocols*, 4(1), 102062.
- Chen YN, et al. (2023) Olfactory bulb activity shapes the development of entorhinal-hippocampal coupling and associated cognitive abilities. *Current biology : CB*, 33(20), 4353.
- Snapper DM, et al. (2023) Development of a novel bioengineered 3D brain-like tissue for studying primary blast-induced traumatic brain injury. *Journal of neuroscience research*, 101(1), 3.
- Ling Z, et al. (2023) Newly synthesized glycoprotein profiling to identify molecular signatures of warm ischemic injury in donor lungs. *American journal of physiology. Lung cellular and molecular physiology*, 325(1), L30.
- Shin M, et al. (2023) Generation and application of endogenously floxed alleles for cell-specific knockout in zebrafish. *Developmental cell*, 58(22), 2614.
- DeVera C, et al. (2022) The Circadian Clock in the Retinal Pigment Epithelium Controls the Diurnal Rhythm of Phagocytic Activity. *International journal of molecular sciences*, 23(10).
- Radomski KL, et al. (2022) Acute axon damage and demyelination are mitigated by 4-aminopyridine (4-AP) therapy after experimental traumatic brain injury. *Acta neuropathologica communications*, 10(1), 67.