

Resource Summary Report

Generated by SPARC SAWG on Aug 12, 2026

Leica: CM3050 S Research Cryostat

RRID:SCR_016844

Type: Tool

Proper Citation

Leica: CM3050 S Research Cryostat (RRID:SCR_016844)

Resource Information

URL: <https://www.leicabiosystems.com/us/histology-equipment/cryostats/leica-cm3050-s/>

Proper Citation: Leica: CM3050 S Research Cryostat (RRID:SCR_016844)

Description: Instrument designed for cryosectioning in biomedical, neuro-anatomical and pharmaceutical research.

Synonyms: Leica CM3050 cryostat

Resource Type: instrument resource

Keywords: instrument, cryosectioning, biomedical, neuroanatomical, cryostat, Leica, histology, equipment

Availability: Commercially available

Resource Name: Leica: CM3050 S Research Cryostat

Resource ID: SCR_016844

Alternate URLs: https://www.leicabiosystems.com/sites/default/files/media_product-download/2022-01/Leica_CM3050S_IFU_2v4N_en.pdf

Record Creation Time: 20220129T080332+0000

Record Last Update: 20260808T190101+0000

Ratings and Alerts

No rating or validation information has been found for Leica: CM3050 S Research Cryostat.

No alerts have been found for Leica: CM3050 S Research Cryostat.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 27 mentions in open access literature.

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

Brott JT, et al. (2026) ATRX function beyond hippocampal CA1 is required for cognitive deficits in mouse models of intellectual disability. PloS one, 21(4), e0347770.

Zhang C, et al. (2026) Ccl12 coordinates immune-neural crosstalk to promote adipose sympathetic remodeling after burn trauma. Cell reports, 45(2), 116921.

Benfey NJ, et al. (2026) Norepinephrine acts through radial astrocytes in the developing optic tectum to enhance threat detection and escape behavior. Cell reports, 45(2), 116911.

Carpenter RS, et al. (2026) Aging disrupts sympathetic innervation of the thymus. Cell reports, 45(4), 117126.

Yim KM, et al. (2025) Cell-type-specific dysregulation of gene expression due to Chd8 haploinsufficiency during mouse cortical development. Cell genomics, 100986.

Mattavelli G, et al. (2025) A TLR4-dependent fibroblast-monocyte axis in tumor-draining lymph nodes contributes to metastasis in triple-negative breast cancer. Immunity.

Smith CC, et al. (2024) Kv2 channels do not function as canonical delayed rectifiers in spinal motoneurons. iScience, 27(8), 110444.

Bridges K, et al. (2024) Mapping intratumoral myeloid-T cell interactomes at single-cell resolution reveals targets for overcoming checkpoint inhibitor resistance. bioRxiv : the preprint server for biology.

Balkaya M, et al. (2023) Conditional deletion of LRRC8A in the brain reduces stroke damage independently of swelling-activated glutamate release. iScience, 26(5), 106669.

Okuma H, et al. (2023) N-terminal domain on dystroglycan enables LARGE1 to extend matriglycan on α -dystroglycan and prevents muscular dystrophy. eLife, 12.

Miller AM, et al. (2022) Glucocorticoid regulation of diurnal spine plasticity in the murine ventromedial prefrontal cortex. Journal of neuroendocrinology, 34(12), e13212.

Buschhoff AS, et al. (2022) Intrathecal application of ethosuximide is highly efficient in suppressing seizures in a genetic model of absence epilepsy. Epilepsy research, 184, 106967.

Zhao J, et al. (2022) A paraventricular thalamus to central amygdala neural circuit modulates acute stress-induced heightened wakefulness. Cell reports, 41(11), 111824.

Wilson CS, et al. (2021) Late adolescence mortality in mice with brain-specific deletion of the volume-regulated anion channel subunit LRRC8A. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 35(10), e21869.

Goossens MG, et al. (2021) Level of hM4D(Gi) DREADD Expression Determines Inhibitory and Neurotoxic Effects in the Hippocampus. *eNeuro*, 8(6).

Lipstein N, et al. (2021) Munc13-1 is a Ca^{2+} -phospholipid-dependent vesicle priming hub that shapes synaptic short-term plasticity and enables sustained neurotransmission. *Neuron*, 109(24), 3980.

Doi M, et al. (2021) Transient expansion of the expression region of Hsd11b1, encoding 11 β -hydroxysteroid dehydrogenase type 1, in the developing mouse neocortex. *Journal of neurochemistry*, 159(4), 778.

Kawai T, et al. (2021) Heterogeneity of microglial proton channel in different brain regions and its relationship with aging. *Journal of neurochemistry*, 157(3), 624.

Gomes Pereira S, et al. (2021) The 3D architecture and molecular foundations of de novo centriole assembly via bicentrioles. *Current biology : CB*, 31(19), 4340.

Suento WJ, et al. (2021) Prefrontal cortex miR-874-3p prevents lipopolysaccharide-induced depression-like behavior through inhibition of indoleamine 2,3-dioxygenase 1 expression in mice. *Journal of neurochemistry*, 157(6), 1963.