

Resource Summary Report

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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: 20260801T190542+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 23 mentions in open access literature.

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

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*.

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

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.

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.

Lipstein N, et al. (2021) Munc13-1 is a Ca²⁺-phospholipid-dependent vesicle priming hub that shapes synaptic short-term plasticity and enables sustained neurotransmission. *Neuron*, 109(24), 3980.

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

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.

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.

Wulaer B, et al. (2021) Shati/Nat8l deficiency disrupts adult neurogenesis and causes attentional impairment through dopaminergic neuronal dysfunction in the dentate gyrus. *Journal of neurochemistry*, 157(3), 642.

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.

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.

Imig C, et al. (2020) Ultrastructural Imaging of Activity-Dependent Synaptic Membrane-Trafficking Events in Cultured Brain Slices. *Neuron*, 108(5), 843.

Kourosh-Arami M, et al. (2020) Phospholipase C β 3 in the hippocampus may mediate impairment of memory by long-term blockade of orexin 1 receptors assessed by the Morris water maze. *Life sciences*, 257, 118046.

Scheel N, et al. (2020) Afferent connections of the thalamic nucleus reuniens in the mouse. *The Journal of comparative neurology*, 528(7), 1189.