

# Resource Summary Report

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## Leica CM1950 Cryostat

RRID:SCR\_018061

Type: Tool

### Proper Citation

Leica CM1950 Cryostat (RRID:SCR\_018061)

### Resource Information

**URL:**

[https://drp8p5tqcb2p5.cloudfront.net/fileadmin/downloads\\_lbs/Leica%20CM1950/User%20Manuals/Leica\\_CM1950\\_Cryostat\\_User\\_Manual.pdf](https://drp8p5tqcb2p5.cloudfront.net/fileadmin/downloads_lbs/Leica%20CM1950/User%20Manuals/Leica_CM1950_Cryostat_User_Manual.pdf)

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**Description:** Highly adaptable cryostat platform that can be tailor-made for each laboratory. Cryostat with encapsulated microtome and separate specimen cooling features UV disinfection system, optional integrated extraction system for section waste and optional motor for motorized sectioning. Designed to produce frozen sections for biological, medical and industrial applications.

**Synonyms:** 10) A Leica CM1950 Cryostat

**Resource Type:** instrument resource

**Keywords:** ABRF, Cryostat, Leica, instrument, equipment

**Funding:**

**Resource Name:** Leica CM1950 Cryostat

**Resource ID:** SCR\_018061

**Alternate IDs:** Model\_Number\_CM1950

**Alternate URLs:** [https://www.leicabiosystems.com/sites/default/files/media\\_product-download/2022-05/Leica\\_CM1950\\_IFU\\_2v6W\\_US\\_en.pdf](https://www.leicabiosystems.com/sites/default/files/media_product-download/2022-05/Leica_CM1950_IFU_2v6W_US_en.pdf)

**Record Creation Time:** 20220129T080338+0000

**Record Last Update:** 20250422T060043+0000

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## Ratings and Alerts

No rating or validation information has been found for Leica CM1950 Cryostat.

No alerts have been found for Leica CM1950 Cryostat.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 24 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Xu H, et al. (2025) The isoflavone puerarin promotes generation of human iPSC-derived pre-oligodendrocytes and enhances endogenous remyelination in rodent models. *Journal of neurochemistry*, 169(1), e16245.

Shimogori T, et al. (2024) Molecular architecture of primate specific neural circuit formation. *Research square*.

Atudorei M, et al. (2024) Bilateral chemogenetic activation of intratelencephalic neurons in motor cortex reduces spontaneous locomotor activity in mice. *Neurobiology of disease*, 204, 106755.

Liang L, et al. (2024) An open-source MRI compatible frame for multimodal presurgical mapping in macaque and capuchin monkeys. *Journal of neuroscience methods*, 407, 110133.

Hamacher C, et al. (2024) A revised conceptual framework for mouse vomeronasal pumping and stimulus sampling. *Current biology : CB*, 34(6), 1206.

Abrahamsson A, et al. (2024) Increased matrix stiffness enhances pro-tumorigenic traits in a physiologically relevant breast tissue- monocyte 3D model. *Acta biomaterialia*, 178, 160.

Song C, et al. (2023) Aminoprocaltitonin protects against hippocampal neuronal death via preserving oxidative phosphorylation in refractory status epilepticus. *Cell death discovery*, 9(1), 144.

Xue CY, et al. (2023) Hippocampus Insulin Receptors Regulate Episodic and Spatial Memory Through Excitatory/Inhibitory Balance. *ASN neuro*, 15, 17590914231206657.

Li Y, et al. (2023) Sexual dimorphic distribution of G protein-coupled receptor 30 in pain-related regions of the mouse brain. *Journal of neurochemistry*.

Cho E, et al. (2023) 14-3-3 $\gamma$  haploinsufficiency leads to altered dopamine pathway and Parkinson's disease-like motor incoordination in mice. *Molecular brain*, 16(1), 2.

Sandouka S, et al. (2023) Nrf2 is expressed more extensively in neurons than in astrocytes following an acute epileptic seizure in rats. *Journal of neurochemistry*, 165(4), 550.

Serra GP, et al. (2023) A role for the subthalamic nucleus in aversive learning. *Cell reports*, 42(11), 113328.

Kawata M, et al. (2022) Long-range axonal projections of transplanted mouse embryonic stem cell-derived hypothalamic neurons into adult mouse brain. *PloS one*, 17(11), e0276694.

Palomés-Borrajo G, et al. (2022) BET protein inhibition in macrophages enhances dorsal root ganglion neurite outgrowth in female mice. *Journal of neuroscience research*, 100(6), 1331.

Jiang Z, et al. (2022) Sex-specific cannabinoid 1 receptors on GABAergic neurons in the ventrolateral periaqueductal gray mediate analgesia in mice. *The Journal of comparative neurology*, 530(13), 2315.

Yang L, et al. (2022) Ventrolateral Periaqueductal Gray Astrocytes Regulate Nociceptive Sensation and Emotional Motivation in Diabetic Neuropathic Pain. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(43), 8184.

Haugh KA, et al. (2021) In vivo imaging of retrovirus infection reveals a role for Siglec-1/CD169 in multiple routes of transmission. *eLife*, 10.

Fleck D, et al. (2021) ATP activation of peritubular cells drives testicular sperm transport. *eLife*, 10.

Heilmann S, et al. (2021) Quantifying spatial position in a branched structure in immunostained mouse tissue sections. *STAR protocols*, 2(4), 100806.

Ohayon D, et al. (2021) Transcriptome profiling of the Olig2-expressing astrocyte subtype reveals their unique molecular signature. *iScience*, 24(7), 102806.