Resource Summary Report

Generated by RRID on Aug 7, 2026

Leica: EM UC7 ultramicrotome

RRID:SCR_016694
Type: Tool

Proper Citation

Leica: EM UC7 ultramicrotome (RRID:SCR_016694)

Resource Information

URL: https://www.leica-microsystems.com/products/sample-preparation-for-electron-microscopy/p/leica-em-uc7/

Proper Citation: Leica: EM UC7 ultramicrotome (RRID:SCR_016694)

Description: Leica EM UC7 Ultramicrotome equipped with the Leica EM FC7 provides advanced sectioning capabilities for both room temperature and cryogenic applications. The system enables preparation of ultra-thin and semi-thin sections suitable for electron microscopy, light microscopy, and atomic force microscopy, ensuring high precision and reproducibility across diverse research workflows. Instrument for cutting specimens at room and low temperature. Used to produce both semi- and ultra-thin sections as well as smooth surfaces of biological samples .

Resource Type: instrument resource

Keywords: Cryo-ultramicrotome, instrument, Leica Microsystem, ultramicrotome, cutting, speciment, thin, section, biological, samples

Availability: Commercially available

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_016694.pdf

Resource Name: Leica: EM UC7 ultramicrotome

Resource ID: SCR_016694

Alternate IDs: Model_Number_EM_UC7

Old URLs: https://www.leica-microsystems.com/de/produkte/em-probenvorbereitung/ultramikrotome-kryo-ultramikrotome/details/product/leica-em-uc7/

Record Creation Time: 20220129T080331+0000

Record Last Update: 20260801T190538+0000

Ratings and Alerts

No rating or validation information has been found for Leica: EM UC7 ultramicrotome.

No alerts have been found for Leica: EM UC7 ultramicrotome.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Li J, et al. (2026) OXCT1-induced succinylation at K81 shields HADH from HSPA8-Mediated degradation in alveolar epithelial cells to attenuate lung ischemia-reperfusion injury. Free radical biology & medicine, 249, 43.

Rellmann Y, et al. (2025) Extracellular ERp57 promotes fibronectin fibril formation during matrix assembly of articular cartilage. iScience, 28(12), 114046.

Tran NL, et al. (2022) Continuous sensing of IFN? by hepatic endothelial cells shapes a vascular antimetastatic barrier. eLife, 11.

Lichter K, et al. (2022) Ultrastructural analysis of wild-type and RIM1? knockout active zones in a large cortical synapse. Cell reports, 40(12), 111382.

Tóth EZ, et al. (2021) Perisomatic Inhibition and Its Relation to Epilepsy and to Synchrony Generation in the Human Neocortex. International journal of molecular sciences, 23(1).

Rosenberg AM, et al. (2021) Quantitative mapping of human hair greying and reversal in relation to life stress. eLife, 10.

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