

Resource Summary Report

Generated by [NIF](#) on Sep 16, 2026

Leica: EM HPM100 freezer

RRID:SCR_021366

Type: Tool

Proper Citation

Leica: EM HPM100 freezer (RRID:SCR_021366)

Resource Information

URL: <https://www.leica-microsystems.com/de/produkte/em-probenvorbereitung/p/leica-em-hpm100/>

Proper Citation: Leica: EM HPM100 freezer (RRID:SCR_021366)

Description: High pressure freezing device for cryofixing of biological and industrial samples. Samples that are cooled to temperature of liquid nitrogen at high pressure are vitrified and sub cellular organisation is preserved to close to native state without formation of ice crystal.

Synonyms: Leica EM HPM100 Hight Pressure Freezer, HPM 100, Leica EM HPM100

Resource Type: instrument resource

Keywords: HPF, Leica Microsystems, high pressure freezing, cryofixing, sample native state preservation, instrument, equipment, USEDit

Availability: Commercially available

Resource Name: Leica: EM HPM100 freezer

Resource ID: SCR_021366

Record Creation Time: 20220129T080355+0000

Record Last Update: 20260912T195954+0000

Ratings and Alerts

No rating or validation information has been found for Leica: EM HPM100 freezer.

No alerts have been found for Leica: EM HPM100 freezer.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Imbrosci B, et al. (2022) Automated Detection and Localization of Synaptic Vesicles in Electron Microscopy Images. eNeuro, 9(1).

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.