

Resource Summary Report

Generated by [kravitz2](#) on Aug 20, 2026

Thermo Fisher: Vitrobot Mark IV system

RRID:SCR_025773

Type: Tool

Proper Citation

Thermo Fisher: Vitrobot Mark IV system (RRID:SCR_025773)

Resource Information

URL: https://www.thermofisher.com/us/en/home/electron-microscopy/products/sample-preparation-equipment-em/vitrobot/instruments/vitrobot-mark-iv.html?cid=msd_ls_xseg_xmkt_vtrbt_285811_na_pso_gaw_ic6fro&gad_source=1&gclid=Cj0KCQjw

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Description: Vitrification Robot is fully PC-controlled device for rapid cooling of aqueous samples. System offers semi-automated vitrification to provide fast, easy, and reproducible sample preparation for cryo-EM. Performs cryo-fixation process at constant physical and mechanical conditions like temperature, relative humidity, blotting conditions, and freezing velocity.

Synonyms: , Vitrobot Mark IV, Thermo Scientific Vitrobot Mark IV System

Resource Type: instrument resource

Keywords: Vitrification Robot, rapid cooling of aqueous samples, semi-automated vitrification, sample preparation for cryo-EM, cryo-fixation process,

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_025773.pdf

Resource Name: Thermo Fisher: Vitrobot Mark IV system

Resource ID: SCR_025773

Alternate IDs: Model_Number_Vitrobot_Mark_IV

Alternate URLs: <https://assets.thermofisher.com/TFS-Assets/MSD/manuals/vitrobot-mk-iv-user-manual-pn103261.pdf>

Record Creation Time: 20240921T053245+0000

Record Last Update: 20260815T183221+0000

Ratings and Alerts

No rating or validation information has been found for Thermo Fisher: Vitrobot Mark IV system.

No alerts have been found for Thermo Fisher: Vitrobot Mark IV system.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Yang K, et al. (2026) Double-ring assembly of mpox virus I3L reveals an unconventional mechanism for ssDNA engagement. Cell reports, 45(7), 117659.

Lawson AW, et al. (2025) Purifying recombinant proteins from Nicotiana benthamiana for structural studies. Nature protocols.

Kizziah JL, et al. (2025) Structure of the Staphylococcus aureus bacteriophage 80?? neck shows details of the DNA, tail completion protein, and tape measure protein. Structure (London, England : 1993), 33(6), 1063.

Pandey A, et al. (2024) Therapeutic Targeting and Structural Characterization of a Sotorasib-Modified KRAS G12C-MHC I complex Demonstrates the Antitumor Efficacy of Hapten-Based Strategies. Cancer research.