

Resource Summary Report

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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: 20260801T191324+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 3 mentions in open access literature.

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

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.

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

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.