

Resource Summary Report

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Hitachi: S4700 Field Emission Scanning Electron Microscope

RRID:SCR_020019

Type: Tool

Proper Citation

Hitachi: S4700 Field Emission Scanning Electron Microscope (RRID:SCR_020019)

Resource Information

URL: <https://www.amnh.org/research/microscopy-and-imaging-facility/instruments/hitachi-s-4699>

Proper Citation: Hitachi: S4700 Field Emission Scanning Electron Microscope (RRID:SCR_020019)

Description: Hitachi S-4700 is a field emission scanning electron microscope (FE-SEM). More than a standard SEM, the S-4700, under optimal conditions, can magnify images upwards of 500,000 times and resolve features to 2 nanometers. In addition, a cathodoluminescence detector, backscatter electron detector and energy dispersive x-ray spectrographic detector accompany the microscope., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Resource Type: instrument resource

Keywords: Hitachi, Field Emission Scanning Electron Microscope, Instrument Equipment, USEDit

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Hitachi: S4700 Field Emission Scanning Electron Microscope

Resource ID: SCR_020019

Alternate IDs: Model_Number_S4700

Record Creation Time: 20220129T080348+0000

Record Last Update: 20260912T195927+0000

Ratings and Alerts

No rating or validation information has been found for Hitachi: S4700 Field Emission Scanning Electron Microscope.

No alerts have been found for Hitachi: S4700 Field Emission Scanning Electron Microscope.

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](#) .

Ishikawa R, et al. (2025) Immunohistochemical and molecular evolutionary features of jejunoileal adenocarcinoma unveiled through comparative analysis with colorectal adenocarcinoma. Neoplasia (New York, N.Y.), 66, 101180.

Arteaga-Blanco LA, et al. (2024) Plasma-Derived Extracellular Vesicles and Non-Extracellular Vesicle Components from APCMin/+ Mice Promote Pro-Tumorigenic Activities and Activate Human Colonic Fibroblasts via the NF- κ B Signaling Pathway. Cells, 13(14).