



MODEL 2552

Cryo Cartridge Specimen Holder

Cryo transfer and screening of thin-film frozen-hydrated/vitrified specimens mounted in sample grid cartridges

Model 2552 Cryo Cartridge Specimen Holder specifications

Holder type	A single-tilt holder for cryo transfer and screening of thin-film frozen-hydrated/vitrified specimens contained in cartridges used in the latest generation of transmission electron microscopes with auto-loading systems
Cryogen	Liquid nitrogen
Specimen grid size	3 mm diameter grid in 3.5 mm sample grid cartridges
Field of view	2 mm diameter at 0° tilt
Resolution	Better than 0.20 nm at 0° tilt
Drift	< 1.5 nm/min
Maximum tilt range	Up to ±60°
Dewar capacity	200 ml
Maximum bake-out temperature	Up to 100 °C
Minimum operating temperature (tip retracted)	< -175 °C
Time to reach minimum operating temperature	< 15 min (in microscope)
Hold time at minimum operating temperature	> 4 hr
Warranty	One year

All specifications depend on the microscope model, pole-piece type, and aperture position. For ultimate resolution and drift performance, the TEM must meet the manufacturer's specifications.



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