

Thermo Cryomed TSCM17EA Controlled Rate Freezer



17L capacity

Rating: Not Rated Yet

Price

Sales price \$12,750.00

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Description

Thermo Scientific CryoMed TSCM17EA is a 17 L front-loading, LN₂-cooled controlled-rate freezer (medical-device version with built-in thermal printer). It is used to freeze cells, tissues, and other samples on programmable profiles so ice-crystal damage is minimized before long-term cryostorage. It is a 120 V / 60 Hz, NEMA 5-15P unit.

Key Features / Specifications

Capacity and size — 17 L (0.6 cu ft) chamber; interior ~13 × 7 × 12 in (33 × 17.8 × 30.5 cm); exterior ~24.3 × 37.3 × 21.7 in (61 × 94.7 × 55.1 cm). Typical vial load <380; straw capacity <160. Weight ~155 lb (70.3 kg).

Temperature range and control — Chamber range +50 °C to ?180 °C. Dual solenoid LN₂ injection plus air-handling / injection-ring system for uniform cooling. Typical programmable rates ~0.1–99.9 °C/min (cooling) and ~0.1–10 °C/min (heating). Type T thermocouples monitor chamber and sample in real time.

Profiles and interface — Touchscreen UI with 6 factory presets plus up to 14 user-defined profiles (multi-step). “Run last,” onboard logging, USB PDF export, 3-level user security, and PC software for remote operation and custom profiles. Built-in thermal printer on the EA model. Supports 21 CFR Part 11-style traceability.

Utilities and construction — Requires a 22 psi (1.5 bar) low-pressure LN₂ tank; supplied with a 6 ft stainless braided hose. Stainless-steel chamber, powder-coated steel exterior, front-loading door. 120 V / 60 Hz, 12 A. Alarms for temperature limits, thermocouple failure, power loss, and run complete; remote-alarm contacts.

Intended use / compliance — FDA-listed Class II medical device (510(k) exempt) for research, cell/gene therapy, vaccine, and biobanking workflows. cULus listed. Designed for repeatable, documented freezing before transfer to vapor-phase or liquid-nitrogen storage.

Comes with our 90-day warranty.

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