

Automated, Water-free Thawing Systems

Safe thawing and advanced transport solutions for cryopreserved biologic materials

ThawSTAR Automated Thawing Systems provide standardized and reproducible thawing of biologics frozen in cryovials, cell therapy vials, or cryobags, replacing manual water baths. The ThawSTAR technology provides sensor-based thawing algorithms designed to provide for consistent thawing outcomes.



Simply insert a frozen cryogenic bag or vial and retrieve it at the end of the thaw cycle.

ThawSTAR Benefits

Automation and Standardization – consistent thawing results through reproducible algorithms that eliminate manual human processes.

Reduced Contamination Risk – water-free thawing eliminates sample contamination from lack of or infrequent tool maintenance and non-sterile water.

Precision Thawing – algorithm optimization services by BioLife technician tailored to maximize cell health and function based on unique and specific cryopreservation parameters.

Qualifiable – ThawSTAR Systems are qualifiable in a QxP setting and can be scaled into POC facilities.

Available in four models to support R&D to commercial manufacturing and point of care.



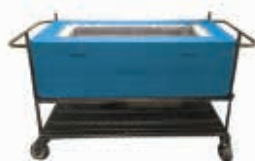
	ThawSTAR® CFT1.5	ThawSTAR® CFT2	ThawSTAR® AT6	ThawSTAR® CB
Thaw Type	1.5 mL cryogenic vial	1.8 – 2.0 mL cryogenic vial	6.0 mL AT-Closed Vial®	25-1000 mL cryobag
Vial Compatibility	Nalgene® 5000-1020	Compatible with major vial manufacturers	Aseptic Technologies	cryobags from OriGen®, Charter® and Miltenyi®
Capacity	One vial	One vial	One vial	One cryobag
Fill Volume	0.5 – 1.5 mL	0.8 – 1.5 mL	2.0 – 6.0 mL	
Thaw Time	Less than three minutes	Less than three minutes	Approximately 3 – 8 minutes	2-8 minutes (depending on fill volume)
Dimensions	11.0 cm x 14.5 cm (5.7 in x 4.3 in) D x H	11.0 cm x 14.5 cm (5.7 in x 4.3 in) D x H	11.0 cm x 14.5 cm (5.7 in x 4.3 in) D x H	19.5 × 38.5 × 45 cm (8 × 15 × 18 in) H x W x D
Compliance	CE mark (EMC and Safety), EN 60601-1-2, EN 61010-1, RoHS, WEEE	CE mark (EMC and Safety), EN 60601-1-2, EN 61010-1, RoHS, WEEE	CE mark (EMC and Safety), EN 60601-1-2, EN 61010-1, RoHS, WEEE	
Voltage	US, EU, UK	US, EU, UK	US, EU, UK	
Input Voltage	AC 100 - 240V			100-120V, 200-240V
Power Requirements	Maximum 3A			Maximum 8A
Preinstalled Thawing Protocols	NA			12
File Output				CSV format
Accessories				ThawSTAR CB Barrier Bag (25, 50, 250, 500, 750, and 1000 mL)

ThawSTAR BioT™ Transporters

A breakthrough portable solution for handling and transporting valuable temperature-sensitive frozen biosamples.



BioT™ ULT Transporter
< -70°C to -50°C Dry Ice Based



BioT™ ULT Mobile Workstation
< -70°C to -50°C Dry Ice Based



BioT™ ULT LN2 Transporter
< -150°C Liquid Nitrogen