



CELLSTORE Revella Water-Free Cell Thawing System

CellStore Revella™ is a water-free cell thawing system designed to standardize the thawing of cryopreserved cells while reducing contamination risks associated with traditional water baths. With direct-contact dry heating, real-time infrared temperature monitoring, and automatic end-point control, Revella supports reproducible thawing performance for MSCs, iPSCs, NK cells, T cells, and organoids.

Product Advantages

Water-Free, Contamination-Controlled Thawing

Uses dry-contact heating to avoid open water baths and reduce contamination risks in controlled laboratory and cleanroom environments.

Real-Time Temperature Monitoring

Infrared sensing monitors vial wall temperature in real time to support controlled and reproducible thawing.

GMP-Oriented Workflow Design

Three-level user access, audit trails, operation logs, and alarm records support regulated cell processing workflows.

Consistent Thawing Performance

Supports MSCs, iPSCs, NK cells, T cells, organoids, and other cryopreserved samples with consistent post-thaw recovery.

Compatible with Multiple Cryopreservation Containers

Revella supports 2 mL and 5 mL standard cryovials and can be adapted for additional cryopreservation containers based on user requirements, including pharmaceutical vials, ampoules, CellSeal® containers, prefilled syringes, and customized formats.

GMP-Oriented Design

- Three-level user access control with hierarchical permission
- Real-time generation of thawing logs, operation logs, and alarm logs with automatic backup.
- Log records are protected from modification or deletion.
- Password management supports complexity requirements, expiration settings, and mandatory password updates.

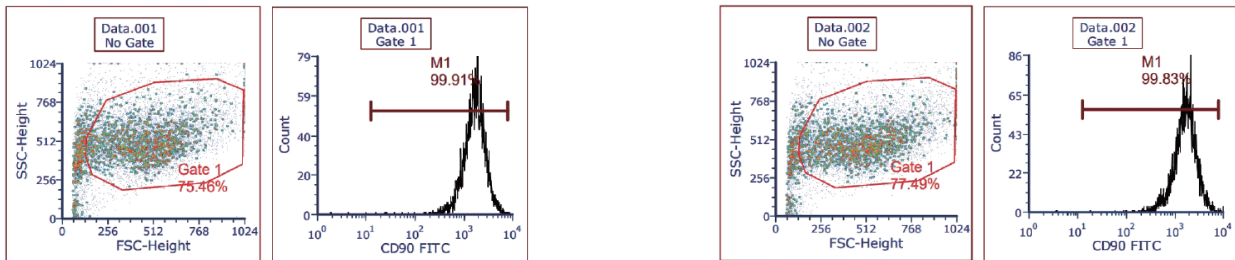
Technical Specifications

Specifications	Details
Model	CellStore Revella Waterl-Free Cell Thawing System
Heating Method	Direct-contact dry heating with infrared temperature monitoring
Temperature Accuracy	$\pm 0.1^{\circ}\text{C}$
Thawing Time	Approx. 2-3 minutes
Compatible Cryovials	2 mL and 5 mL standard cryovials
Display	Touchscreen display
User Management	Three-level privilege management
Data Records	Thawing logs, operation logs, alarm logs, and real-time backup
Data Export	Data export and wireless report delivery via email
Power Supply	100–240 V AC, 50/60 Hz
Alarms	High temperature alarm and operation error
End State	Automatic cryovial ejection upon completion



Superior Cell Thawing Performance

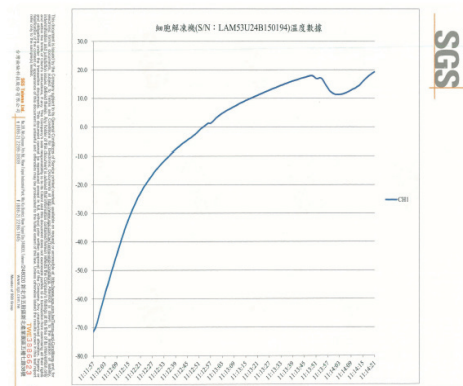
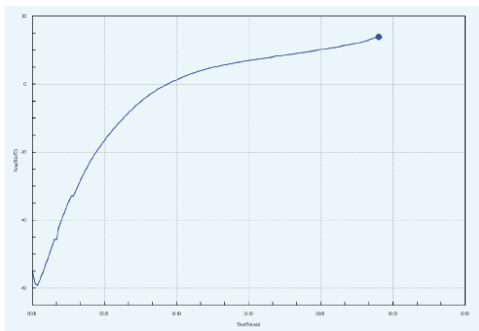
After thawing MSCs, iPSCs, T cells, NK cells, and other cryopreserved cells, Revella showed comparable post-thaw viability and purity to traditional water bath thawing, while offering a water-free and traceable workflow.



Comparable Thawing Performance with Improved Workflow Control

Test Data

CH Name: CH2 Sample ID: SGS Validation 20250717
 Test Time: 2025-07-17 11:11:36



Third-party SGS testing confirms that the vial wall temperature profile closely matches the internal liquid temperature profile of the cryovial.

Ordering Information

Product	Cat. No.	Description
CellStore Revella Water-Free Cell Thawing System	CS-THAW-01	Includes four 2 mL cryovial thawing modules
CellStore Revella Water-Free Cell Thawing System	CS-THAW-02	Includes four 5 mL cryovial thawing modules
CellStore Revella Water-Free Cell Thawing System	CS-THAW-03	Includes four vial thawing modules
CellStore Revella Water-Free Cell Thawing System	CS-THAW-04	Includes four COP vial thawing modules