

Automated thawing system, 2/15

February 2014—BioCision announced the availability of the ThawStar automated sample thawing system, designed to standardize the “last mile” in the cryopreservation process. Using the patent-pending Star sensing technology, the ThawStar system tailors the thaw cycle to the specific characteristics of each frozen sample.

The ThawStar technology integrates multiple detection algorithms to ensure uniform thermal profiles and reproducible recovery of the frozen contents.

Users insert a frozen vial and retrieve it when the vial is raised at the end of the thaw cycle. The automatic release of the vial coupled with built-in audio and visual alarms allow users to retrieve thawed vials for downstream processing to minimize risk of toxicity from cryopreservatives, such as dimethyl sulfoxide. The system, which has a small footprint, was engineered to deliver results similar to those achieved when thawing in a 37°C water bath, but with reproducibility and standardization built in.

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