

## Solentim InstiTHAW™ CHO

### Description

InstiTHAW™ CHO is an animal component free, cell supplement designed to minimise stress during the cryopreservation procedure and enhance growth of suspension CHO cells post revival. InstiTHAW CHO supplement is supplied as a 20x concentrated solution which should be diluted to a final concentration of 2x for use in cryopreservation, and 1x to support cells during revival.

### Features & Benefits

- **Improved Cell Growth:** Supports cells during the freeze/thaw cycle and enhances growth post thawing
- **Ready to Use:** Fully optimized supplement, no requirement for optimization
- **Easy to Use:** Just add to your freezing and thawing cell culture media

### Data

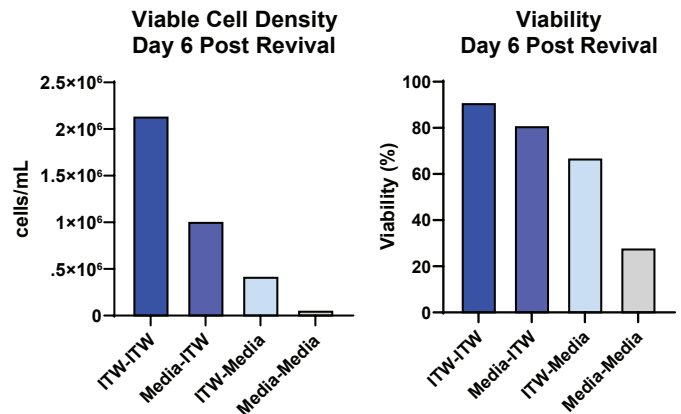
A mAb expressing CHO-S cell line was cryopreserved at  $1 \times 10^6$  cells/mL under the following conditions:

- CDM4CHO (HyClone) medium supplemented with 8mM GMax, 10% DMSO, and InstiTHAW CHO
- CDM4CHO medium supplemented with 8mM GMax and 10% DMSO

Following cryopreservation, the cells were revived under the following conditions:

- CDM4CHO medium supplemented with 8mM GMax and InstiTHAW CHO
- CDM4CHO medium supplemented with 8mM GMax

The viability (%) and viable cell density (cells/mL) of the cells cryopreserved and revived under the various conditions were assessed using a Countess Automated Cell Counter (Invitrogen) on day 6 post-revival.



**Figure 1.** Shows the viable cell density (cells/mL) and viability (%) of the thawed CHO-S cell lines day 6 post revival.

Key:

ITW-ITW:	Cryopreserved with InstiTHAW™ CHO, revived into medium with InstiTHAW™ CHO
Media-ITW:	Cryopreserved following SOP, revived into medium with InstiTHAW™ CHO
ITW-Media:	Cryopreserved with InstiTHAW™ CHO, revived into medium alone
Media-Media:	Cryopreserved following SOP, revived into medium alone

### Product Information

Part Number	Part Name	Product Size (mL)
RS-3105	InstiTHAW™ CHO	5mL

### Storage & Handling

- Store at 2 - 8°C
- Shelf life: 18 months

### Quality Control Testing

Certificates of analysis can be found on our website in the following location: [www.aicompanies.com/support/certificates-of-analysis](http://www.aicompanies.com/support/certificates-of-analysis)

Testing performed on each batch:

- Sterility testing (bacterial & fungal)
- Mycoplasma Testing

### Intended Use

FOR RESEARCH USE ONLY. NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USE.

### Resources

A Discussion About Cell Growth Supplements: [www.aicompanies.com/education-training/webinars/a-discussion-about-cell-growth-supplements/](http://www.aicompanies.com/education-training/webinars/a-discussion-about-cell-growth-supplements/)