

## Solentim InstiGRO™ CHO

### Description

**InstiGRO™ CHO** is an animal component free cell culture supplement designed to enhance growth and improve cloning efficiency of suspension CHO cells in liquid or semi-solid media. InstiGRO CHO is supplied as a 20x concentrated solution which should be diluted to a final concentration of 1-1.5x depending on the application.

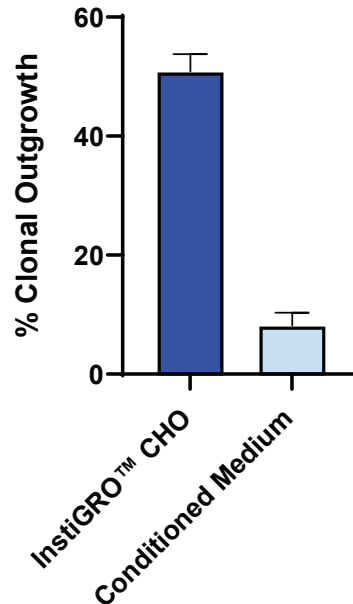
### Features & Benefits

- **Improved Cloning Efficiency:** Increases single cell survival and therefore enhances productivity of the CLD workflow
- **Optical Clarity:** Does not introduce debris into the well, therefore suited for single cell imaging
- **Ready to Use:** Fully optimized supplement, no requirement for optimization
- **Easy to Use:** Simply add to your cloning media before single cell dispensing

### Data

A CHO-K1 (GS Null) cell line expressing a monoclonal antibody (mAb) was single cell seeded into 5 x 96 well plates (using VIPS® instrument) containing CD FortiCHO™ medium (Gibco) supplemented with InstiGRO CHO reagent. 5 x 96 well plates were also seeded with CD FortiCHO medium supplemented with conditioned medium to compare the rate of clonal outgrowth. After 14 days, clonal outgrowth analysis was performed.

### InstiGRO™ CHO versus Conditioned Medium



**Figure 1.** Shows the average percentage clonal outgrowth per plate following VIPS seeding with InstiGRO CHO and conditioned medium. Error bars show the standard deviation between the number of clonal colonies per plate.

### Product Information

Part Number	Part Name	Product Size (mL)
RS-1105	InstiGRO™ CHO	5mL
RS-1125	InstiGRO™ CHO	25mL

### 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
- Functional Growth Testing

### Intended Use

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

### Resources

Single Cell Seeding Conditions for Improved Colony Outgrowth: [www.aicompanies.com/education-training/app-notes-and-whitepapers/single-cell-seeding-conditions-for-improved-colony-outgrowth/](http://www.aicompanies.com/education-training/app-notes-and-whitepapers/single-cell-seeding-conditions-for-improved-colony-outgrowth/)

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/)