

Solentim InstiGRO™ CHO

Combined with Ex-cell® CD CHO Fusion Medium

Description

InstiGRO CHO is an animal component free cell culture supplement designed to enhance the growth and cloning efficiency of suspension CHO cells in liquid or semi-solid media.

InstiGRO CHO is supplied as a 20x concentrated stock solution which should be diluted to a final concentration of 1-1.5x, depending on the application.

Features & Benefits

- **Enhances clonal outgrowth:** Provides single cells with the crucial components required to develop into healthy clonal colonies.
- **Compatible with whole well imaging for regulatory approval:** Capturing high resolution images for Investigational New Drug applications is crucial. InstiGRO promotes single cell growth while preserving optical clarity.
- **Easy to use:** Simply add to your cloning medium before single cell seeding.

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: aicompanies.com/support/certificates-of-analysis

Testing performed on each batch:

- Sterility testing (bacterial & fungal)
- Mycoplasma Testing

Method

A CHO-K1 (GS Null) cell line expressing a monoclonal antibody (mAb) was single cell seeded with the InstiGRO CHO cell culture supplement. The same cell line was single cell seeded with Conditioned Medium (CM) to provide a reference data set.

5 x 96 well plates were single cell seeded using VIPS® instrument for each condition. For plates seeded with InstiGRO CHO, Ex-cell CD CHO Fusion medium (Sigma) was supplemented with 5% InstiGRO CHO. For plates seeded with CM, Ex-cell CD CHO Fusion medium was supplemented with 30% CM. After 14 days, the number of clonal colonies for each condition was totalled and the percentage clonal outgrowth was calculated.

Data

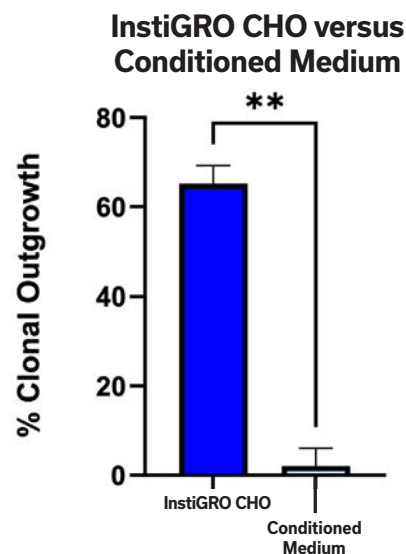


Figure 1.

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. Statistical significance between conditions is indicated by asterisks (*) T test P values indicate statistical significance (** P = 0.0079).

Intended Use

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

Resources

Download brochure: www.aicompanies.com/cell-line-development/reagents-and-controls/cell-growth-reagents/