

Solentim InstiGRO® CHO CD-X and CD-Y

Fully Chemically Defined (CD) and Animal Component Free (ACF)

Description

Unlock the next generation of cell line development with **InstiGRO CHO CD-X and CD-Y** – newly launched, chemically defined supplements engineered to elevate clonal outgrowth consistency and regulatory compliance in CHO cell cultures. InstiGRO CHO CD supplements are ACF and CD designed to enhance the growth and the cloning efficiency of suspension CHO cells in liquid or semi-solid media.

Features & Benefits

- **ACF & CD:** Formulated for maximum consistency in CHO cell culture, and unwavering regulatory compliance.
- **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:** Promote single cell growth without compromising on optical clarity for IND submissions.
- **Easy to use:** Simply add to your cloning medium before single cell seeding.

Product Information

Part Number	Part Name	Product Size (mL)
RS-1405	InstiGRO CHO CD-X	5 mL
RS-1425	InstiGRO CHO CD-X	25 mL
RS-1505	InstiGRO CHO CD-Y	5 mL
RS-1525	InstiGRO CHO CD-Y	25 mL

Storage & Handling

CD-X:

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

CD-Y:

- Store at -20°C • Shelf life: 12 months

Quality Control Testing

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

Method

A CHOK-1 pool, expressing a monoclonal antibody (mAb) was single cell seeded with the VIPS® PRO using the following conditions;

- InstiGRO CHO CD-X
- InstiGRO CHO CD-Y
- Competitor Reagent

3x Corning® 3596 (96WP) were seeded per condition using 200µL of CD FortiCHO™ Medium supplemented with 1X of the appropriate reagent. After 14 days, the clonal colonies were counted and the percentage of clonal outgrowth was calculated, both using whole-well imaging scanned on the Cell Metric® X

Data

Clonal Outgrowth Efficiency with InstiGRO CHO CD Supplements

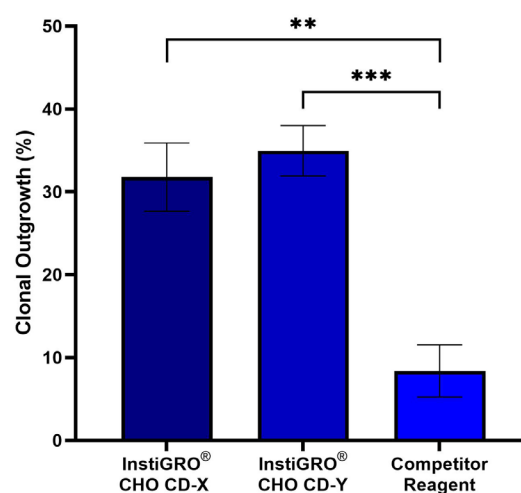


Figure 1.

Shows the average % clonal outgrowth following the VIPS PRO seeding with each condition. The error bars show the standard deviation between the % clonal outgrowth of each plate. Statistical significance between conditions is indicated by asterisks (*). T test P values indicate statistical significance (** P < 0.0001).

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

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

ML103 Rev 0