



Dynamis™ Medium Introduction

Prepared for (customer name)

BAM Name

Gibco™ Dynamis™ Medium

An excellent scale-up option for your CHO Cell Clones

The *Power* to **achieve higher titers**



The *Power* to **start faster**



The *Power* to **streamline scale-up**

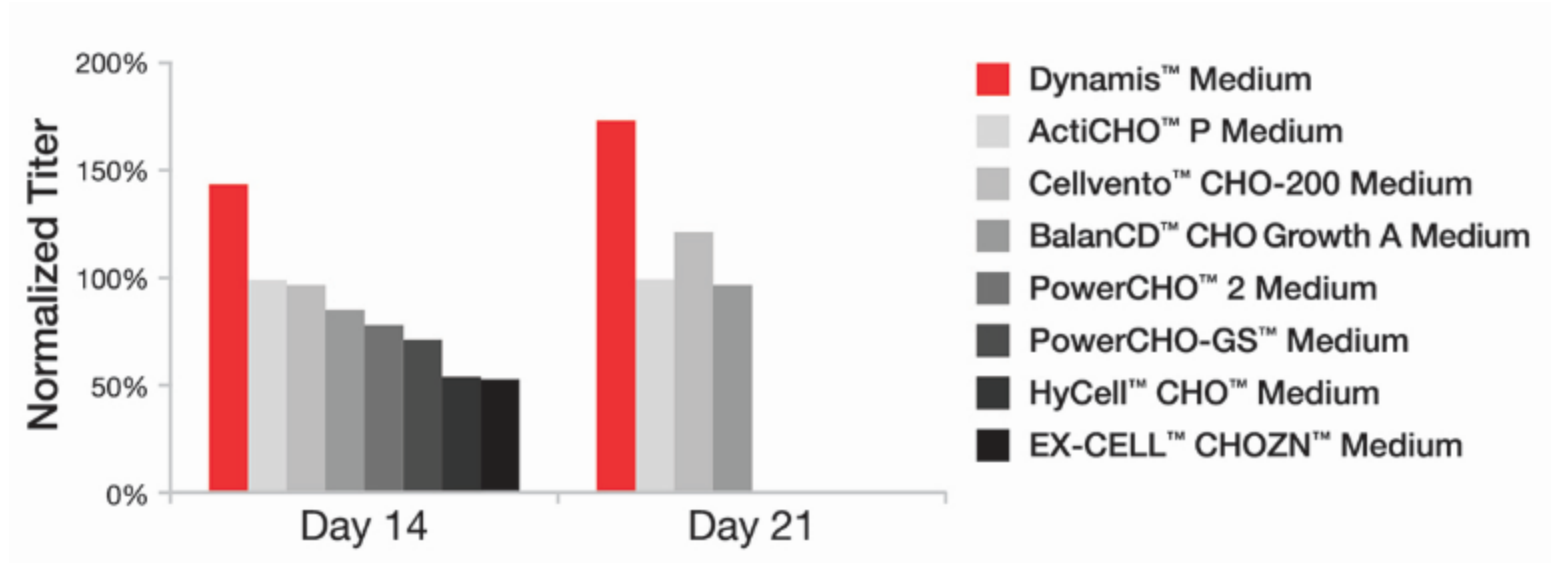


Dynamis™ medium provides the power to achieve **higher titers**, **start faster**, and **streamline scale-up** for upstream process development and bioprocessing.

Is designed to provide the power to help you seamlessly scale-up

Dynamis™ medium enables highest titers at harvest

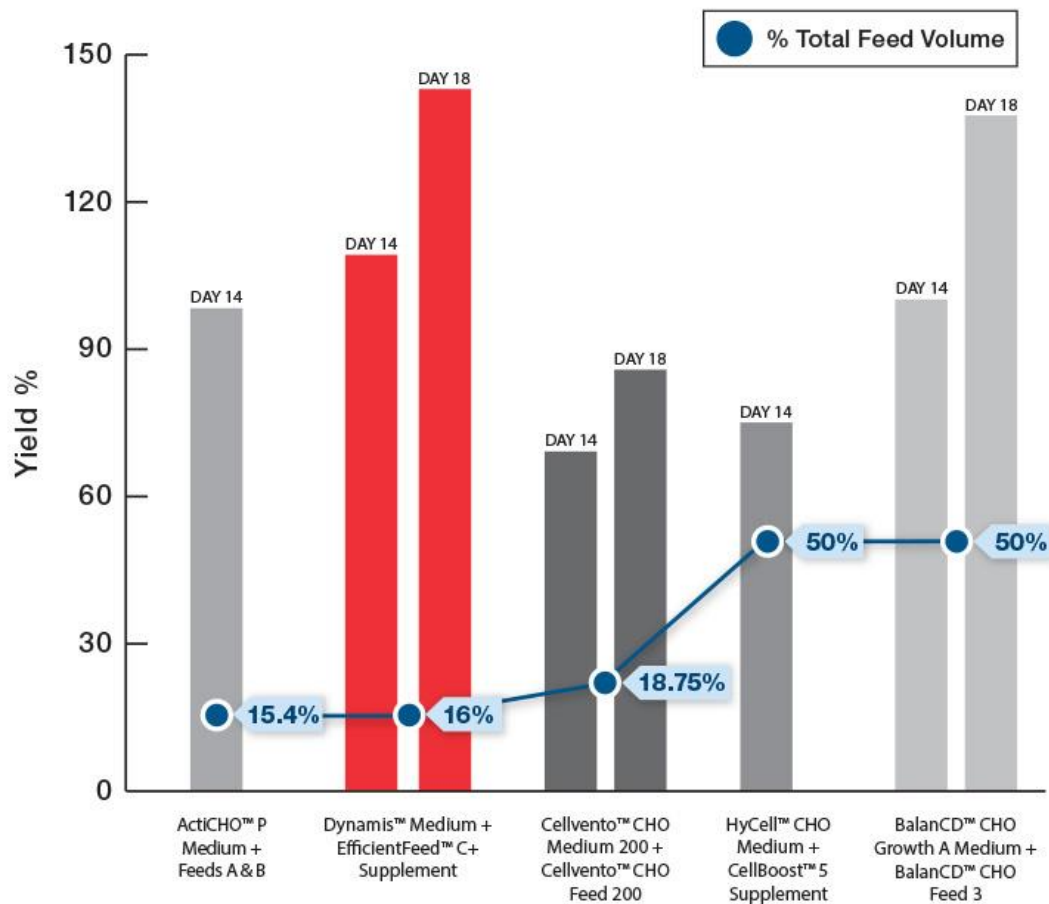
Internal Clone IgG Titer Comparison on Harvest Day



Glucose only fed-batch cultures show Dynamis medium achieved 74% higher titer compared to the next-best competitor, with highest growth in titer from day 14 to day 21 at 30%

Dynamis™ medium enables highest titers in fed-batch culture

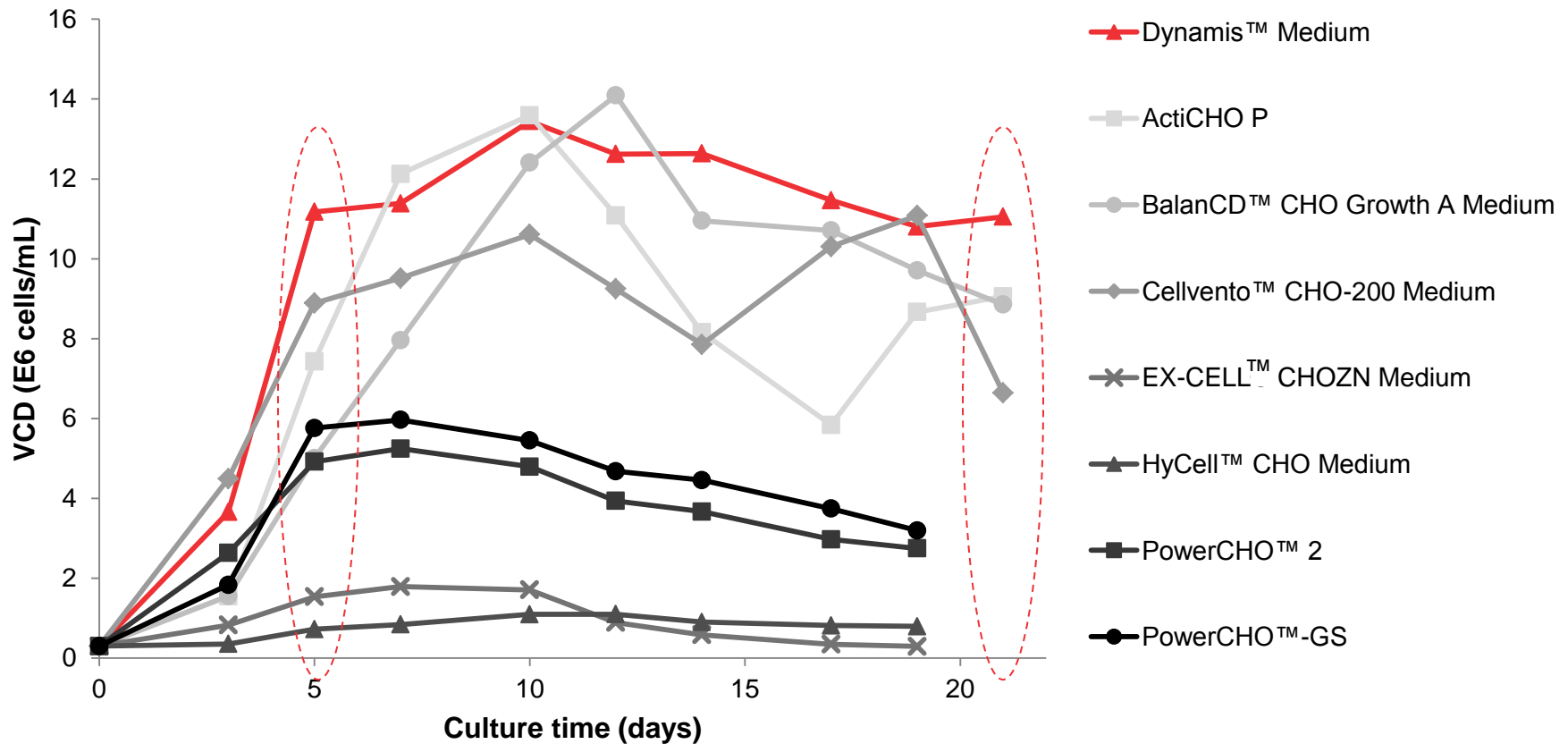
IgG Titer Comparison and Feed Volume



Fed-batch cultures show up to 60% higher titers – customer clone

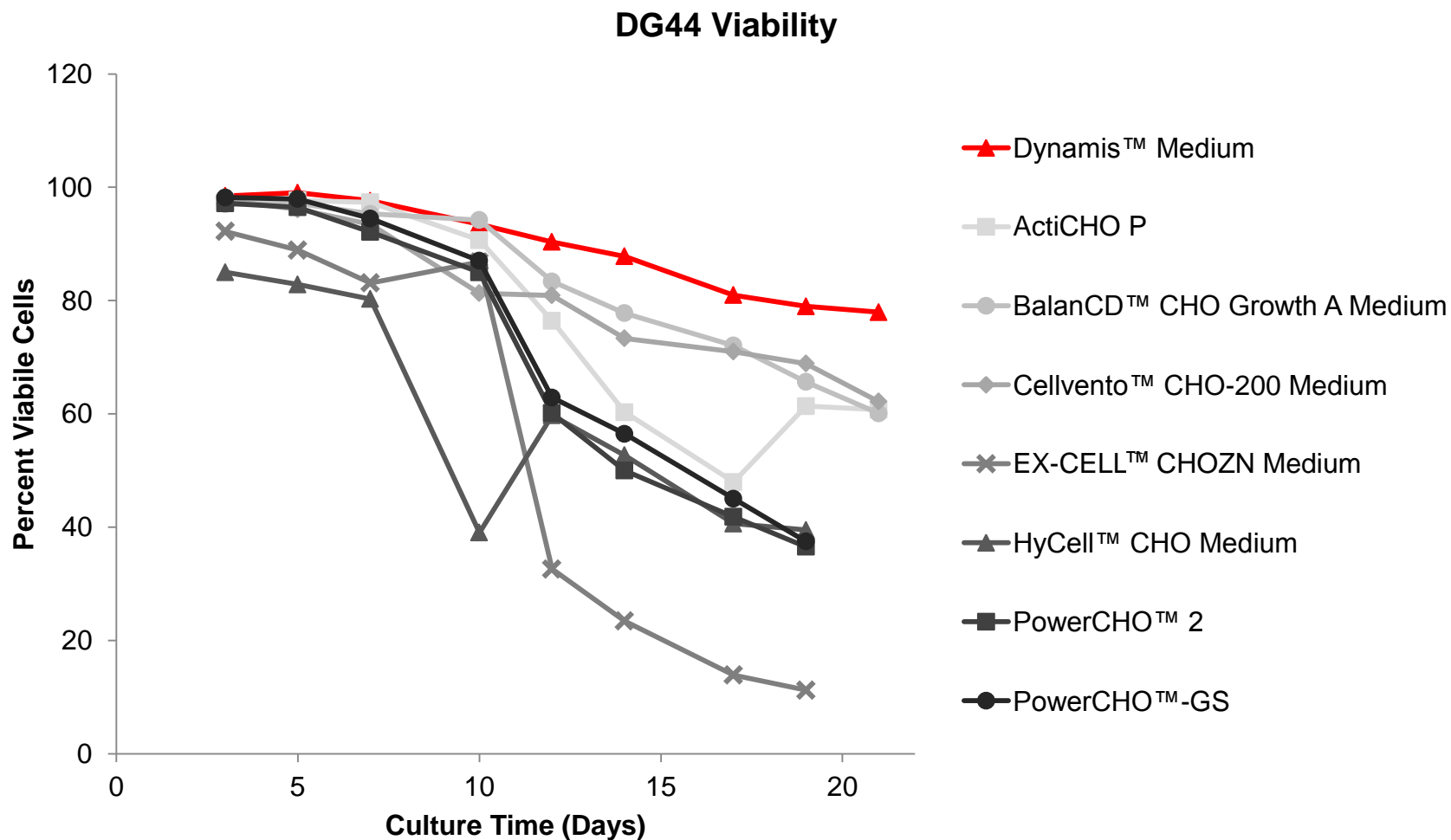
Enabling a faster & more sustained start with Dynamis™ medium

Internal IgG Clone Viable Cell Density



Quick to reach 10E6 cells/mL and sustain that level days longer

Dynamis™ Medium Enables Highest Viability (Internal IgG Clone)



Glucose only fed-batch cultures show higher and more sustained viabilities

AGT™ dry format simplicity helps streamline scale-up

Key Benefits

Auto pH: Just add Water

No Add backs Required; single part

Fast Dissolution and Mix Time

Dust Free Addition to Tank

Minimal Filtration Pressure Buildup

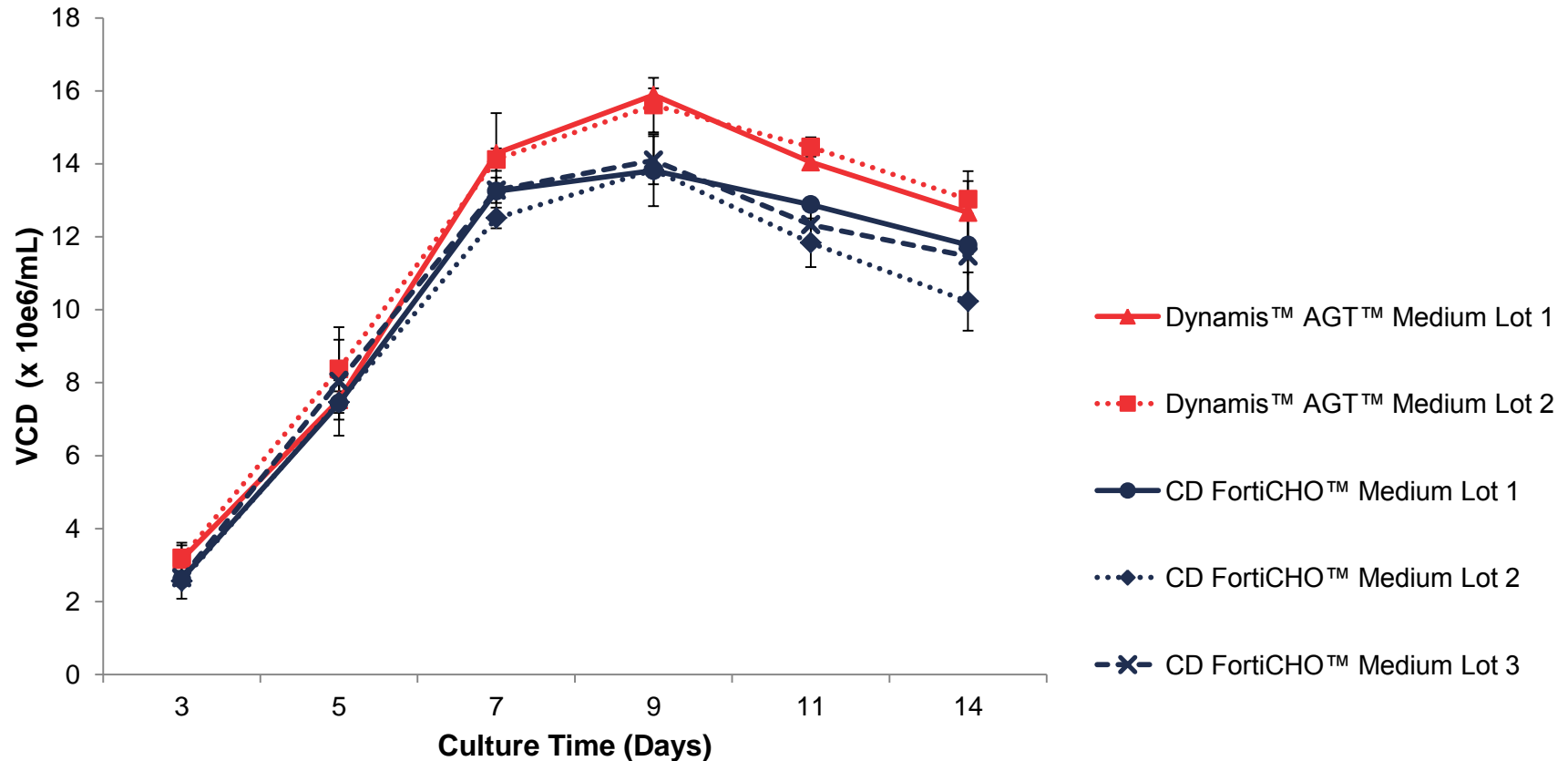


AGT: Advanced Granulation Technology

Dynamis™ AGT dry format product offers these time saving benefits

Comparable performance is seen when moving from CD FortiCHO™ medium to Dynamis™ medium

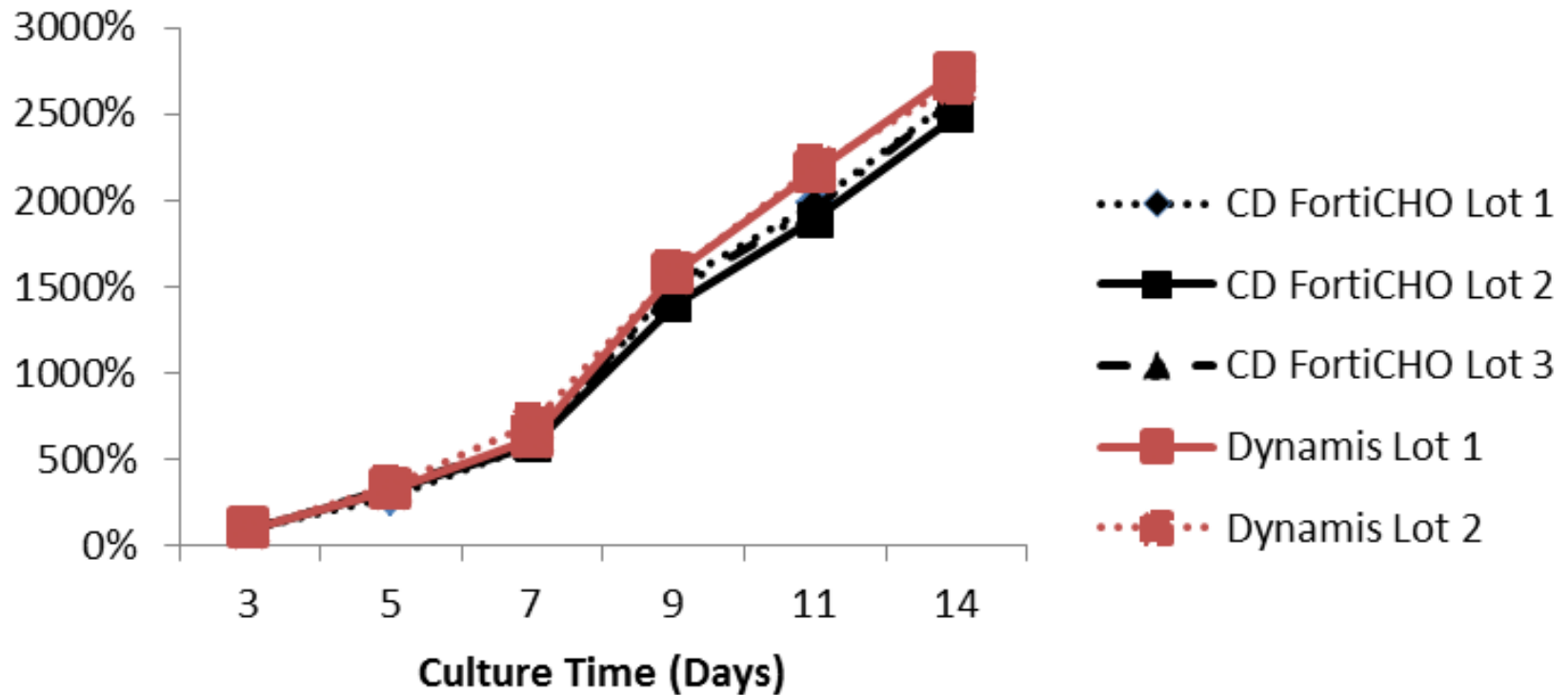
Dynamis AGT Medium - Internal IgG Clone Growth Comparison to CD FortiCHO Medium



Dynamis medium provides a more scalable option

Comparable performance is seen when moving from CD FortiCHO™ medium to Dynamis™ medium

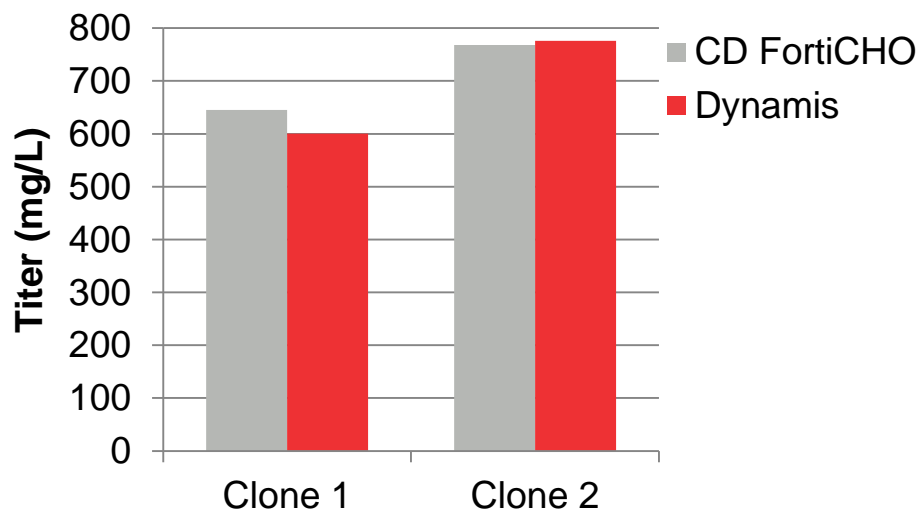
Dynamis AGT Medium - Internal IgG Clone Titer Comparison to CD FortiCHO Medium



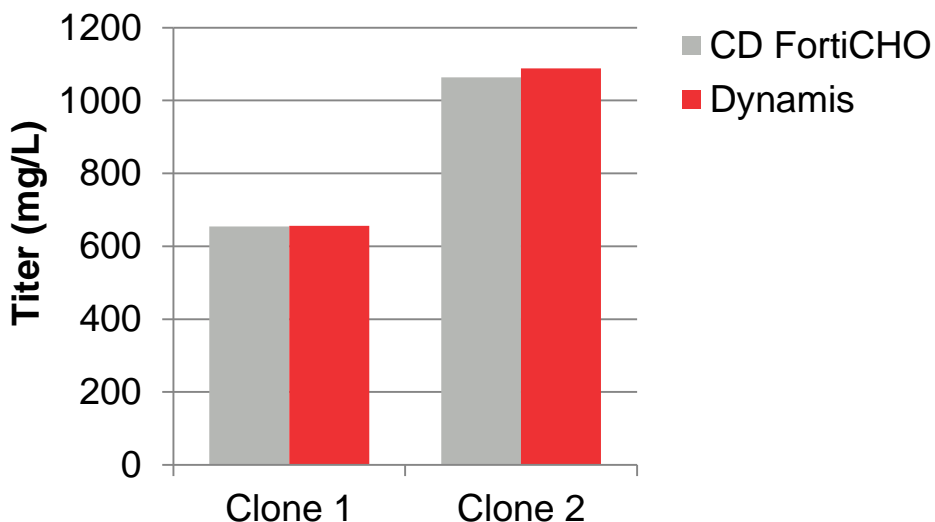
Dynamis medium provides a more scalable option

CD FortiCHO™ medium generated clones produce similarly in CD FortiCHO™ and Dynamis™ media

Freedom™ CHO-S™ Clones in SFB



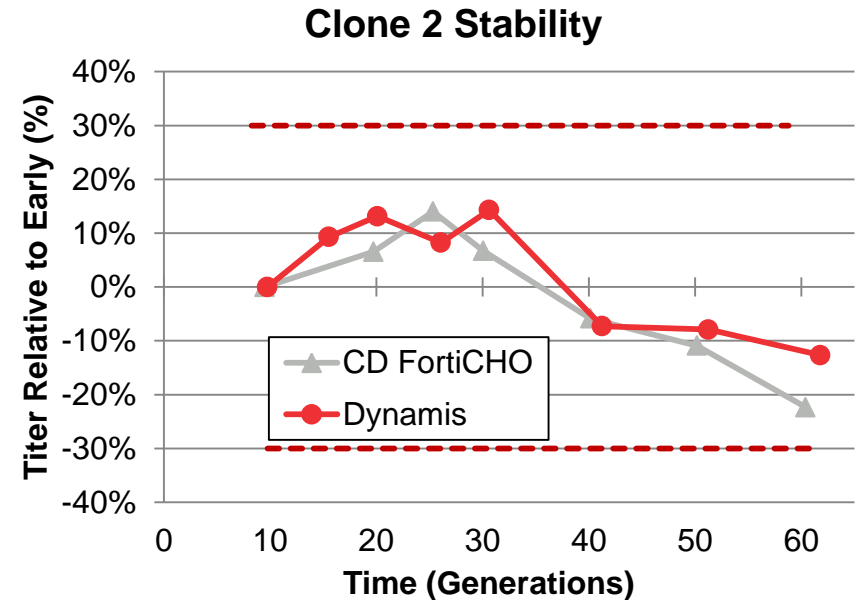
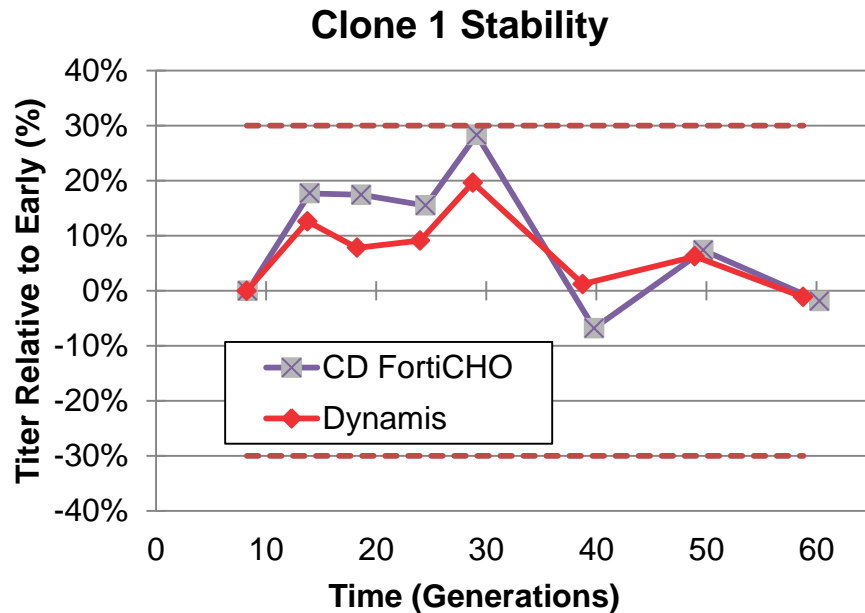
Freedom™ CHO-S™ Clones in FB



- IgG-producing clones isolated using standard Freedom CHO-S workflow (in CD FortiCHO medium)
- Day 14 titers
 - SFB is simple fed-batch, glucose feeding only per Freedom CHO-S Manual standard protocol
 - FB is fed-batch culture using CD EfficientFeed C supplement for feeding without optimization of conditions

Dynamis medium helps to provide a seamless transition to production

CD FortiCHO™ medium generated clones are stable in CD FortiCHO™ and Dynamis™ media

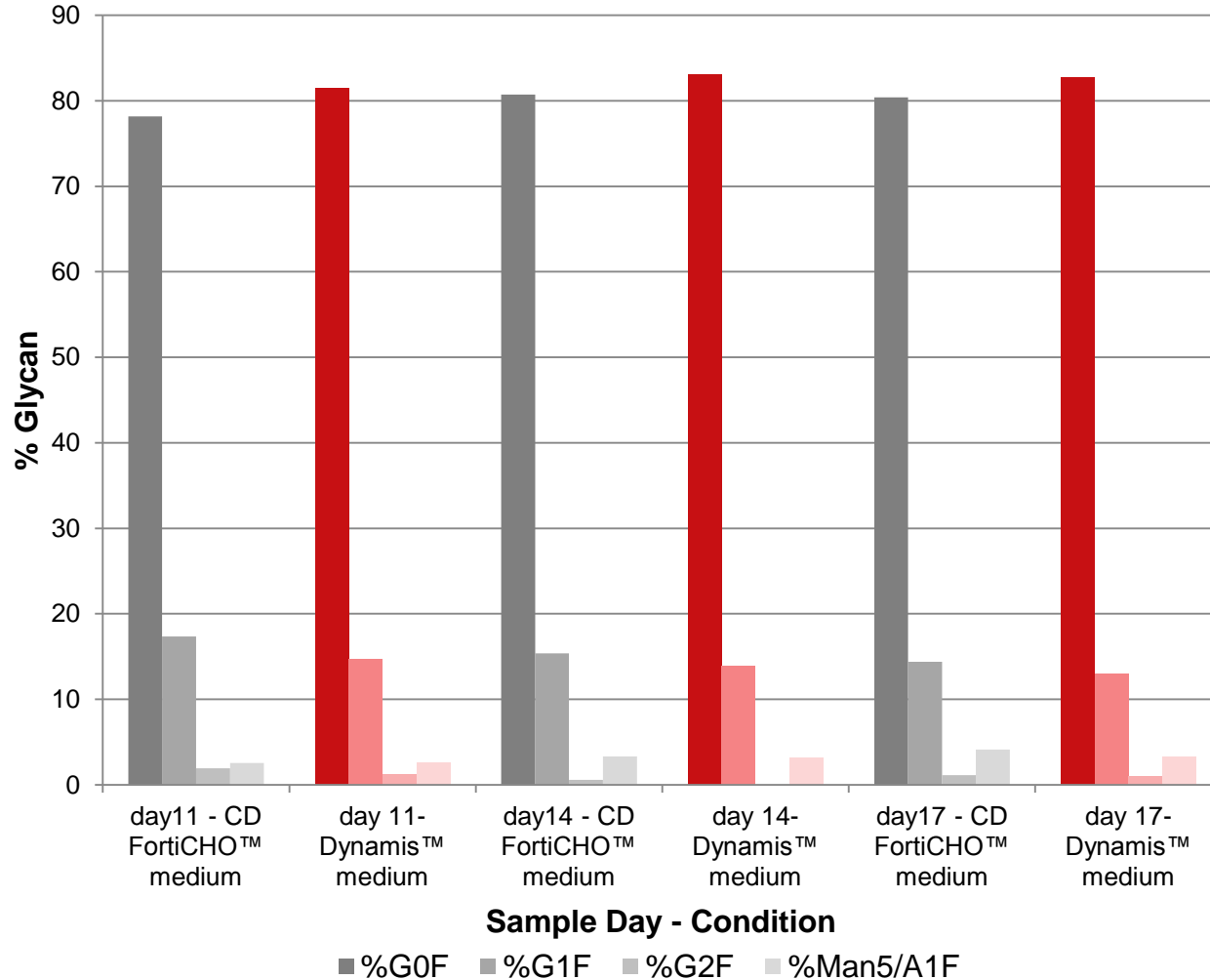


- IgG-producing clones isolated using standard Freedom™ CHO-S™ workflow (in CD FortiCHO medium)
- Titer determined in stability cell train

Dynamis medium does not alter clone stability

There is no significant change in product quality moving from CD FortiCHO™ medium to Dynamis™ medium

Medium Comparison - DG44 IgG Glycan Analysis



Dynamis™ medium for seamless process development scale-up

Dynamis™ medium provides:

- The power to achieve higher titers
- The power to start faster
- The power to streamline scale-up

Catalog Numbers Available:

- 1L AGT™ dry format – A2617504
- 10L AGT™ dry format – A2617501
- 100L AGT™ dry format – A2617502
- 10Kg AGT™ dry format – A2617503

www.lifetechnologies.com/dynamis

Transfer to Dynamis medium today!

Caution: For manufacturing, processing or repacking.

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