Culture smarter, innovate faster

Maximize Your Protein Production with OPM-CHO Platform

OPM offers animal-origin-free basal media and feeds optimized for high productivity across different CHO cell lines including CHO-K1, CHOZN, CHO-DG44, and CHO-S. Our formulations support high cell densities, consistent titer improvements, and seamless GMP integration.

Why OPM-CHO Platform?

- Achieve an average 96% increase in titer while maintaining high cell viability
- Animal-origin-free and chemically defined for robust, reproducible results
- GMP-ready for seamless R&D-to-GMP transition
- Flexible packaging options (liquid bottles, buckets, or bags) and formats (DPM* or liquid)
- Robust intra- and inter-lot consistency (RSD <5%)

Type	OPM-CHO Products	Available Sizes
Basal Media	AltairCHO®	Liquid: 1000 mL | DPM: 10/50/100 L
	SagiCHO™	Liquid: 1000 mL | DPM: 10/50/100 L
	StarCHO™	Liquid: 1000 mL | DPM: 10/50/100 L
	StarCHO™ Plus	Liquid: 500/1000 mL | DPM: 10/50/500 L
	VegaCHO®	Liquid: 1000 mL | DPM: 10/50/100 L
	HelixCHO™	DPM: 10/50/100 L
Feeds	DenebCHO™ Feed	Liquid: 500/1000 mL | DPM: 1/10/50 L
	SagiCHO™ Feed	Liquid: 1000 mL | DPM: 10/50/100 L
	StarCHO™ Feed Plus	Liquid: 500/1000 mL | DPM: 5/10/50 L
	HelixCHO™ Feed	Please inquire
	VectorCHO™ Feed	Please inquire
Feed Supplements	CDFS36™ Feed	Liquid: 500/1000 mL | DPM: 1/10/50 L
	CDFS12™ Feed	Liquid: 500/1000 mL | DPM: 5/10/50 L

*DPM: Dry Powder Media

AltairCHO Basal Media and Feeds

Recommended for CHO-K1, CHOK1SV GS-KO, CHO-S, and CHO-DXB11

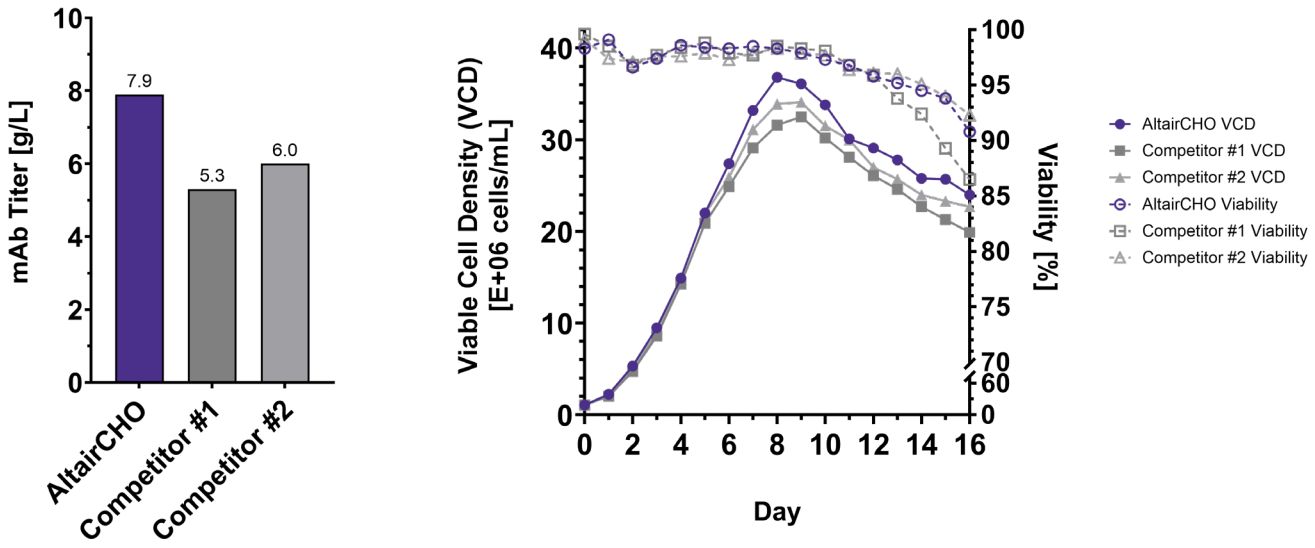


Figure 1. AltairCHO outperformed two global competitors in CHO-K1 mAb expression, showing a 31% titer increase with comparable VCD and viability. **(Left)** Titer comparison with two competitor products. **(Right)** VCD and viability profiles are shown.

SagiCHO Basal Media and Feeds

Recommended for CHO-K1, CHO-S, and CHO-GS

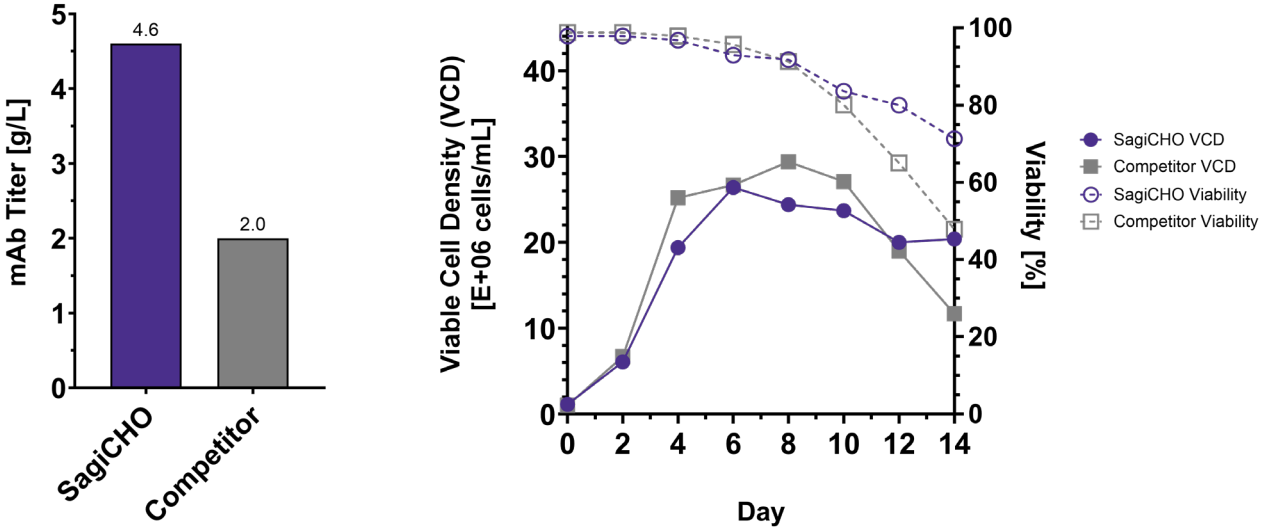


Figure 2. SagiCHO, combined with AltairCHO Feed, outperformed a commercial competitor in CHO-K1 mAb expression — showing a 130% titer increase with higher late-stage VCD and viability. **(Left)** Titer comparison with competitor product. **(Right)** VCD and viability profiles are shown.

StarCHO Basal Media and Feeds

Recommended for CHOZN® GS$^{-/-}$

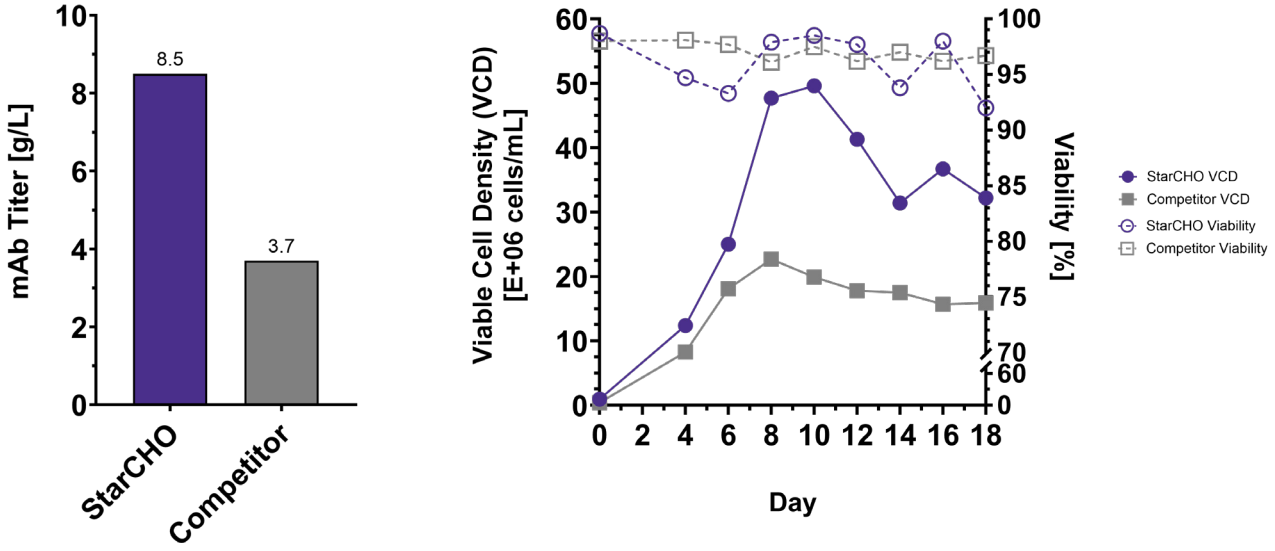


Figure 3. StarCHO outperformed a commercial competitor in CHOZN GS$^{-/-}$ mAb expression, showing a 130% titer increase with comparable VCD and viability. **(Left)** Titer comparison with competitor product. **(Right)** VCD and viability profiles are shown.

VegaCHO Basal Media and Feeds

Recommended for CHO-DG44

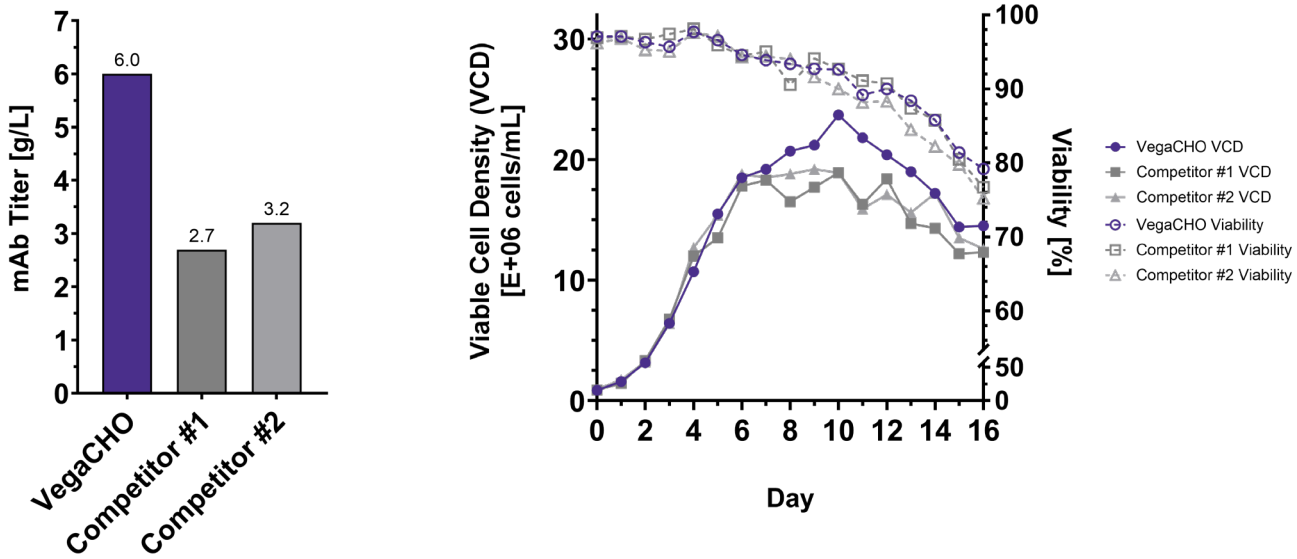
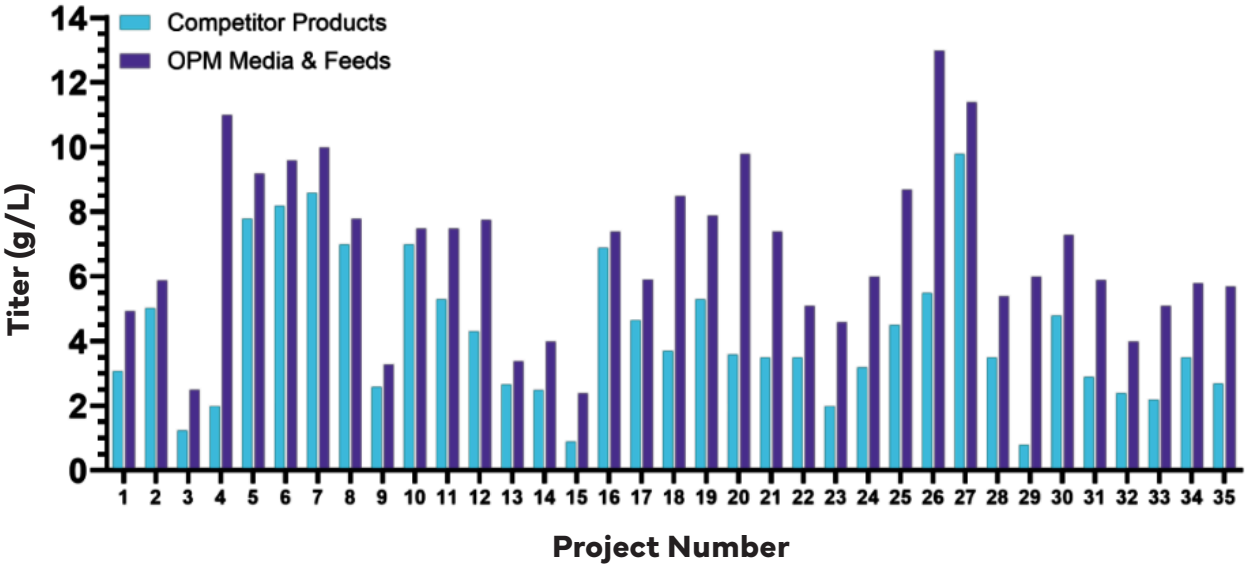


Figure 4. VegaCHO outperformed 2 commercial competitors in mAb expression, showing a 81% titer increase with comparable VCD and viability. **(Left)** Comparison of titer with two competitor products. **(Right)** VCD and viability profiles are shown.

High Titers Powered by OPM-CHO Products

OPM has completed 35 protein titer improvement projects using OPM-CHO products, achieving an average **96%** increase — and up to **650%** in a single project.



Media Selection Guide

Select the optimal media and feed for your cell line.

Cell Lines	Basal Medium	Feeds	Feed Supplement
CHO-K1 (ATCC)	AltairCHO SagiCHO	DenebCHO Feed SagiCHO Feed	CDFS36
CHO-K1 (ECACC)	AltairCHO	DenebCHO Feed SagiCHO Feed	CDFS36
CHOK1SV GS-KO (Lonza)	AltairCHO	DenebCHO Feed	CDFS36
CHOZN GS$^{-/-}$ (Merck)	StarCHO StarCHO Plus	StarCHO Feed Plus	CDFS12
CHOZN CHO-K1 (Merck)	HelixCHO	HelixCHO Feed	CDFS36
Horizon CHO-GS	SagiCHO	SagiCHO Feed	CDFS36
CHO-DG44	VegaCHO	VectorCHO Feed	CDFS36
CHO-S	SagiCHO AltairCHO	SagiCHO Feed	CDFS36
CHO-DXB11	AltairCHO	SagiCHO Feed VectorCHO Feed	CDFS36

(925) 523-2199
info@opmbiosciences.com