



FlowCHO

Because Stability Matters in Perfusion



When running long-term perfusion cultures, reliability is key. FlowCHO is a protein-free medium designed to support CHO cells under continuous, high-density conditions — with stable viability, consistent productivity, and no animal components.

FlowCHO is designed to reduce variability, support scalable processes, and provide reliable results over extended cultivation periods — so you can count on stable performance when it matters most.

KEY BENEFITS OF FlowCHO



» Developed for continuous, high-density perfusion processes

Supports prolonged cultivation at high viable cell densities with stable metabolic performance.



» Long-Term Cell Viability

Maintains >94% viability over extended culture periods to ensure process stability.



» High cell-specific productivity

Enables efficient protein expression per cell (up to 54 pg/cell/day), even under intensified conditions and low CSPR (Cell specific perfusion rate) strategies.



» Reliable Total Yield

Ensures robust cumulative product output across long-term runs with minimized lot-to-lot variability with up to 68.4 mg over 30 days total mAB yield.

PROVEN PERFORMANCE IN BENCHMARKING STUDIES

Perfusion systems offer clear advantages for biomanufacturing, but only when supported by reliable media. FlowCHO ensures the consistency, viability, and productivity required for long-term success in CHO-based processes.

In a comparative benchmarking study, FlowCHO was evaluated alongside two commercially available perfusion media using CHO-S cells expressing human monoclonal IgG antibodies. Cultures were run over 30 days in tabletop bioreactors under "push-to-low" conditions with manual bleeding.

Volumetric Productivity

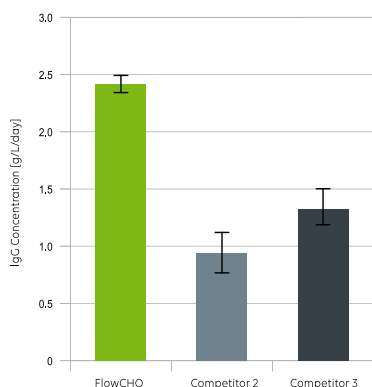


Fig. 2 FlowCHO Supports High Specific Productivity
Specific Productivity during production of human IgG was measured for 30 days perfusion cultivation of CHO cells cultured in FlowCHO (green), Competitor 1 (light gray), and Competitor 2 (dark gray).

Cell Viability

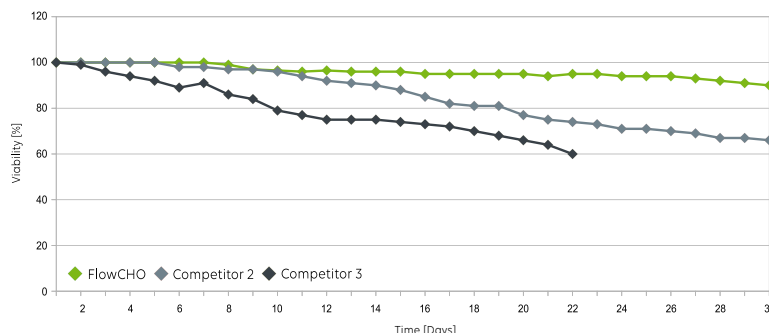


Fig. 1 FlowCHO Boosts Cell Viability in Perfusion Cultures
Cell viability of CHO cells was measured for 30 days perfusion cultivation cultured in FlowCHO (green), Competitor 1 (light gray), and Competitor 2 (dark gray).

Cumulative Expression Titer

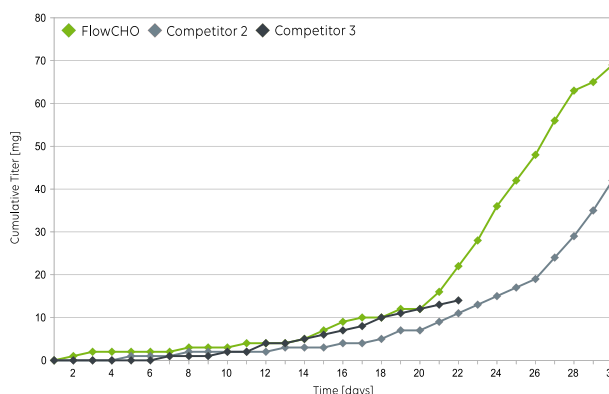


Fig. 3 FlowCHO Cumulative Expression Titer
Cumulative expression yield of human IgG was measured for 30 days perfusion cultivation of CHO cells cultured in FlowCHO (green), Competitor 1 (light gray), and Competitor 2 (dark gray).

FlowCHO OUTSHINES COMMERCIAL COMPETITOR PRODUCTS WITH HIGHEST VIABILITY AND PRODUCTIVITY RATES ACROSS THE STUDY

ORDER INFORMATION

PRODUCT

FlowCHO

Protein-free Perfusion Medium for CHO Cells with L-Glutamine, with Ferric Citrate, with HEPES, with Pluronic™

ALSO
AVAILABLE
AS POWDER
PRODUCT

VOL. CAT.NO.

500 ml F-CHO-500ML



SCAN FOR MORE
INFORMATION

For further support, feel free to contact our experts at techservice@capricorn-scientific.com or phone (+49 6424 944 64 0).

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