

Case Studies

Comparison studies of CellRx Short™ AE-IGF-1 to competitive products

Cell viability and IgG productivity

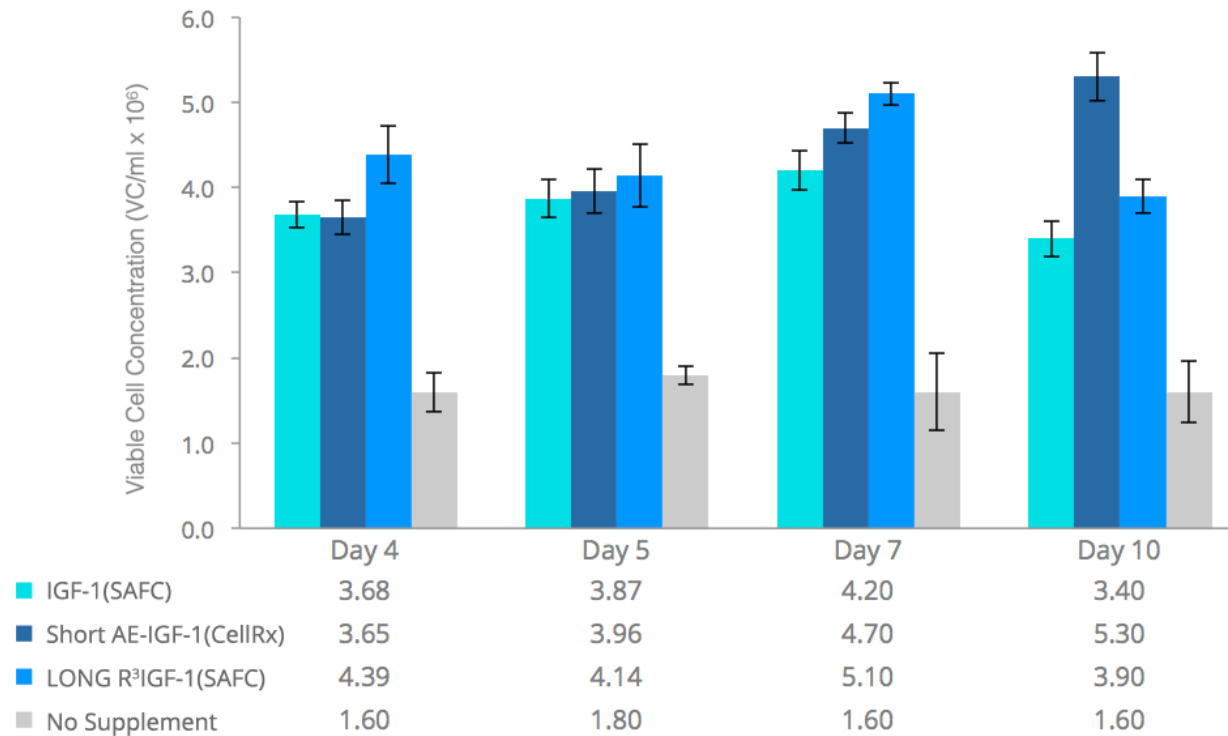
Objective

Compare the stimulatory effects of Short AE-IGF-1, LONG[®]R³ IGF-1 and IGF-1 on CHO cell viability and IgG productivity.

Comparison of CellRx Short AE-IGF-1 and Sigma IGF-1 additives in CHO for Cell Viability

- CHO DG44 cell suspension was monitored for cell viability
- Medium is Ex-Cell CD CHO fusion protein free
- Additives are indicated below
- All values in triplicate

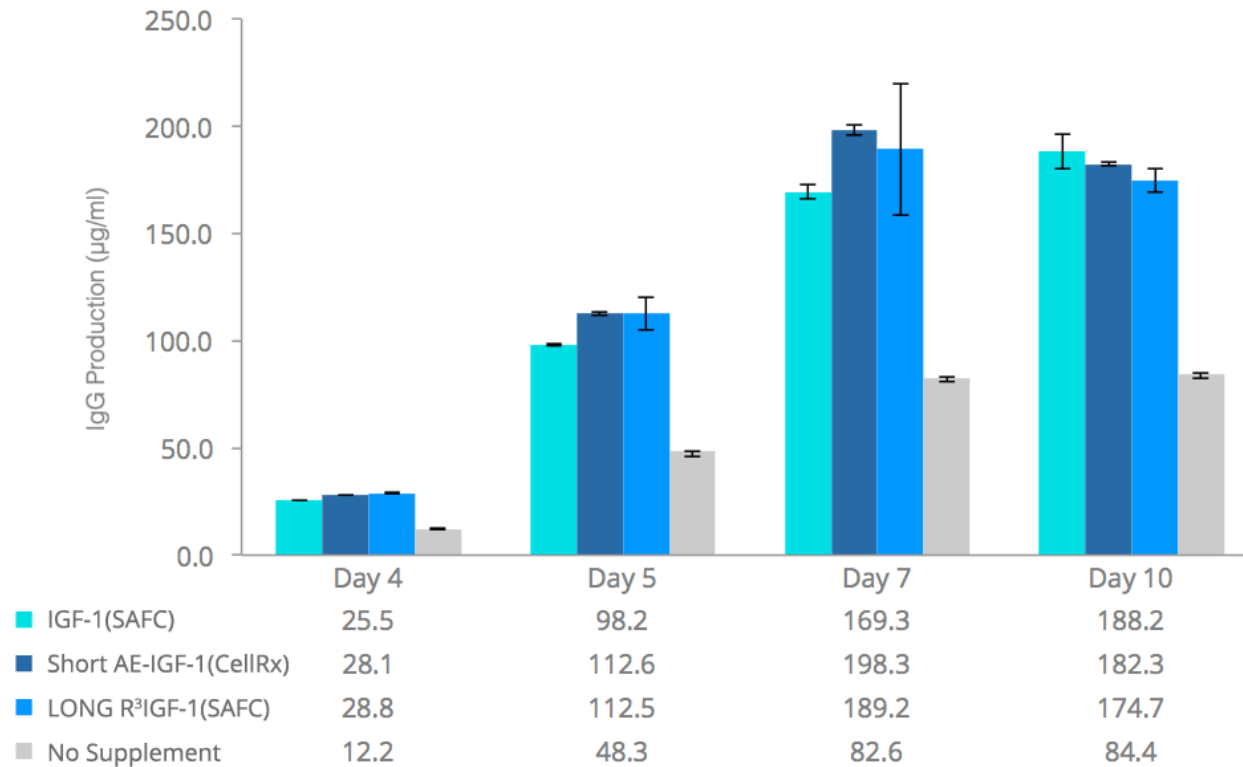
Comparison of CellRx Short AE-IGF-1 and Sigma IGF-1 additives in CHO for Cell Viability



Comparison of CellRx Short AE-IGF-1 and Sigma IGF-1 additives in CHO for IgG productivity

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Comparison of CellRx Short AE-IGF-1 and Sigma IGF-1 additives in CHO for IgG productivity



Results

Stimulatory effect on cell growth and productivity was pronounced for all forms of IGF-1 over the no supplement control.

Day 7

Short AE-IGF-1 produced **15% more IgG** per unit volume over IGF-1

Short AE-IGF-1 is approximately equal to LONG R³IGF-1 in IgG production

Short AE-IGF-1 supplemented cultures had approximately equal viability to LONG R³IGF-1 and **11% better cell viability** than cultures fed IGF-1.

CellRx Short AE-IGF-1 is available for laboratory research and large-scale in-vitro biopharmaceutical manufacturing use only. Not for diagnostic or therapeutic use.

Short™AE-IGF-1 is a registered trademark of CellRx Ltd. (Synonyms include AE-IGF-1, RhShort AE-IGF-1, Short IGF). LONG® is a registered trademark of Novozymes Biopharma AU.



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