

Enhancing CHO Product Development

Want consistent productivity?
Need to get animal-free and defined?
Looking for better, cost-effective media?
That's InVitria.

Now you can obtain animal free CHO cell culture components from InVitria. These components have been proven to offer optimal cell culture growth and productivity.

CHO Media Components by InVitria:

Zap-CHO

Zap-CHO is a recombinant, animal-free and defined CHO supplement, making it regulatory-friendly and an ideal replacement for hydrolysates. Zap-CHO improves CHO productivity and growth. Zap-CHO can replace FBS in many applications without a loss of productivity.

Cellastim

Cellastim™ is a recombinant albumin for mammalian cell culture applications. Cellastim enhances cell growth and productivity in CHO culture.

Lacromin

Lacromin™ is a recombinant lactoferrin for mammalian cell culture applications. Lacromin can replace Insulin and IGF in cell culture.

Optiferrin

Optiferrin™ is a recombinant human transferrin that offers significant regulatory advantages due to its safety and consistency. Optiferrin is a universal iron carrier in cell culture, and can replace iron chelators, reducing variability and problems in downstream processing.

Advantages:

- **Faster cell line development**
 - Cloning
 - Clonal propagation
 - Single cell isolation
- **Rapid seed train expansion**
 - Improve cell viability during and after cell banking
 - Shorter cycle time from cell bank to bioreactor
- **Optimize biomanufacturing and time-to-market**
 - Well defined and consistent
 - Optimize growth and productivity
 - Regulatory friendly (animal-free)
 - Reduces capital & operating cost

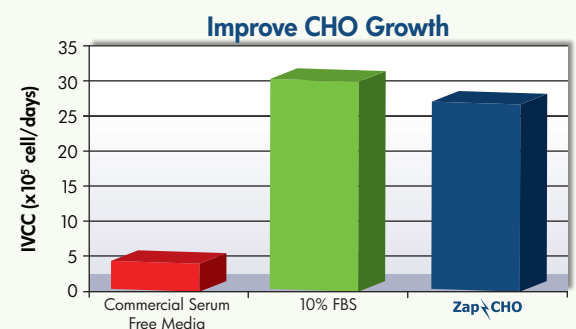
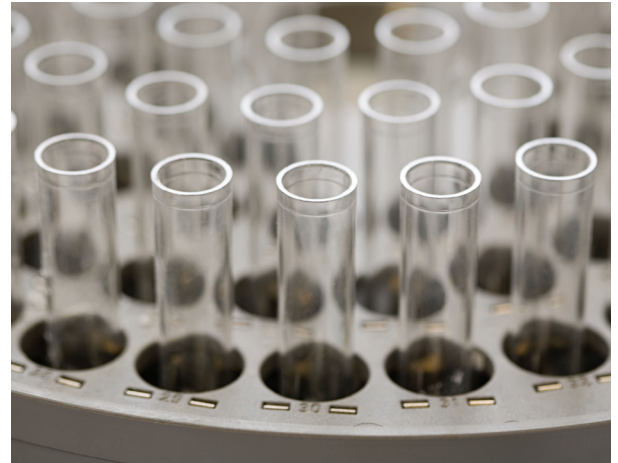


Figure 1. CHO cells were cultured in serum-free media or supplemented with either 10% FBS or InVitria's Zap-CHO. IVCC with Zap-CHO supplementation was comparable to 10% FBS.

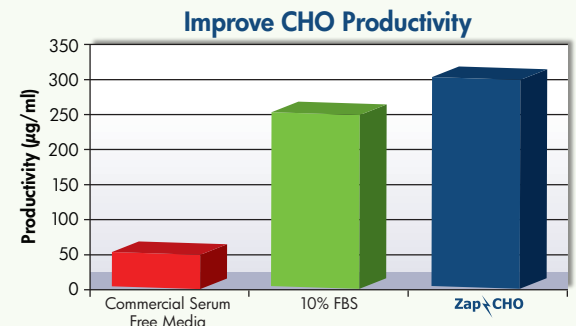


Figure 2. CHO cells were cultured in serum-free media or supplemented with either 10% FBS or InVitria's Zap-CHO. Protein productivity with Zap-CHO supplementation was greater than 10% FBS and other treatment groups after 14 days in culture.

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Order online at www.InVitria.com.

INVITRIA
Performance. Defined.