florabio

Product Datasheet

IXORA

CHO K1 cell culture medium

Serum free, animal component free, for maximal recombinant protein production.

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BENEFITS

Developed to maximize recombinant protein production with CHO K1 cells. The medium provides equivalent of higher growth of CHO K1 cells when compared to other serum-free media. The medium offers

Simplicity: Ideal from bench to manufacturing scale.

Serum-free and animal component free: Reduces the risk for animal derived contaminants. Fully defined: It doesn't contain hydrolysates

or other complex additives. Thus, process variability is reduced.

Antibiotic-free: No risk of antibiotic traces, hidden contamination and endotoxins.

PRODUCT INFORMATION

IXORA medium is free of serum, animal components and hydrolysates. The medium is developed for maximal recombinant protein production in suspension cells. If combined with IXORA Feeds medium supports a viable cell concentration up to $3x10^7$ /mL. CHO K1 suspension cells have been carried for more than 2 years in IXORA medium with no loss of viability.

IXORA medium is easy-to-use and suitable for suspension cultures. It requires no adaptation from other serum-free media.

APPLICATION

IXORA is suitable for recombinant protein expression for example Erythropoietin, antibodies, Fc-fusion proteins.

MEDIUM SPECIFICATION

Name	IXORA	
Regulatory	Serum-free,	
	animal component free,	
	hydrolysate free,	
	antibiotic free	
Available Form	Liquid	
Cell Line	CHO K1 suspension cells	
Storage Condition	2-8 °C, protect from light	
Application	For research and	
	manufacturing	

ORHCID PERFORMANCE

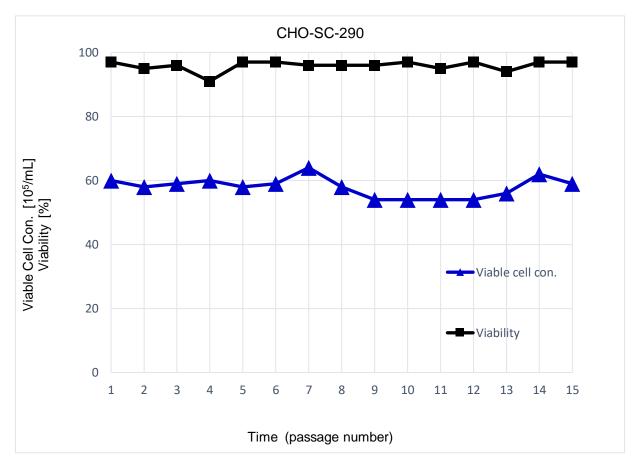


Figure 1: CHO K1 suspension cells are cultured in stock culture (shake flask) in IXORA culture medium for 15 passages. Inoculation cell concentration was kept by $3x10^5$ /mL. Cells were split every 3^{rd} day.

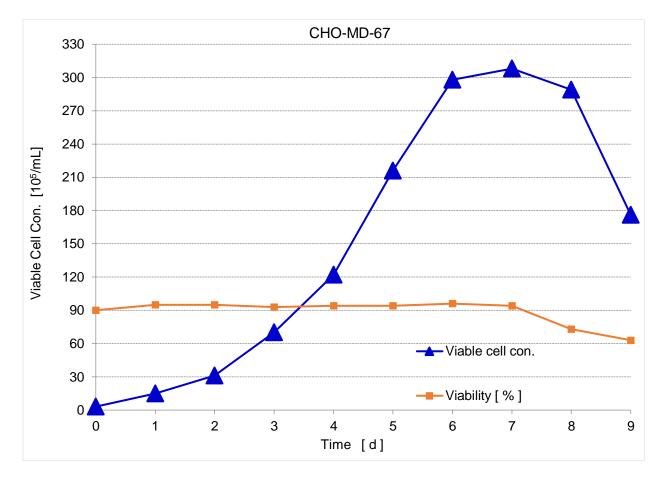


Figure 2: Growth performance of CHO K1 suspension cells in IXORA culture medium with combination of IXORA Feeds medium for 9 days as fed-batch experiment. Viability was kept above 70% for 8 days. Cells reached peak cell concentration of 3.1×10^7 /mL at day 7.

ORDERING INFORMATION

Name	Application	Formulation	Volume	Catalogue number
IXORA	Culture medium	Liquid	1 L	XRA46-L1
IXORA	Culture medium	Liquid	0,5 L	XRA46-L05
IXORA FEED A	Feed A medium	Liquid	0,5 L	XFA77-L05
IXORA FEED B	Feed B medium	Liquid	0,1 L	XFB24-L01

Custom made media are possible.

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