

MetaCell[®] Titer Enhancer

User Manual

Product Description

MetaCell[®] Titer Enhancer is a chemically defined additive for culture media that can significantly enhance the expression levels of antibodies and recombinant proteins after transient transfection in CHO cells. It does not contain serum, hydrolysates, proteins, or any animal derived components.

This product is intended for research or further manufacturing but not for human or therapeutic use.

Product Name	Cat No.	Size	Storage	Shelf Life	Application
MetaCell [®] Titer Enhancer	L1009-0010	10mL	2-8°C, protected from light	12 months	Efficient transient transfection of CHO cells
	L1009-0100	100mL			

Cell Culture Conditions

Application: Suspension cell culture

Cell line: ExpiCHO-S、CHO-K1

Types of flasks: PETG or PC, breathable, without baffles

Culture environment: 37 ± 0.5 °C, 8% CO₂, humidity ≥80%, Ensure proper gas exchange and minimize light exposure during cultivation.

Instructions for use

1. Add MetaCell[®] Titer Enhancer 18-22 hours post-transfection, in combination with 10% (v/v) of the initial culture volume of MetaCell[®] CHO TransFeed. The amount of MetaCell[®] Titer Enhancer to be added varies depending on the transfection system used (refer to Table 1 for specifics).
2. On the 5th day following transfection, add another 10% (v/v) of the initial culture volume of MetaCell[®] CHO TransFeed.
3. For specific transfection procedures, please contact us.

Table 1. CHO Transfection System Feeding Strategies

BioReagent	Medium	MetaCell [®] Titer Enhancer	MetaCell [®] CHO TransFeed (Day1)	MetaCell [®] CHO TransFeed (Day5)
MetaCell [®] PEI 40K	MetaCell [®] CHO-310	1.5%	10%	10%
	MetaCell [®] CHO-320	1.0-1.5%	10%	10%
PolyPlus FectoPro [®]	MetaCell [®] CHO-310	1.0%	10%	10%
	MetaCell [®] CHO-320	1.0-1.5%	10%	10%