

AltairCHO® Feed Plus

Chemically Defined High Performance Feed

— For Biomanufacturing

AltairCHO® Feed Plus is a chemically-defined high performance feed designed for high density suspension culture of Chinese Hamster Ovary (CHO) cell lines (e.g. CHO-K1, CHO-DG44, CHO-S). It is free of any animal-origin components, and contains no hydrolysates, growth factors or components of unknown composition. This feed supports high level expression of recombinant proteins and therapeutic antibodies. In conjunction with OPM's basal media and highly concentrated feeds, higher growth & viability, and higher expression level of the target molecule can be achieved.

Application

AltairCHO® Feed Plus is intended for large scale manufacturing of therapeutic biomolecules, as well as for research purposes, but not for human or any therapeutic use.

Storage & Transportation

Store at 2~8°C, dark and dry
Ship at Room temperature (Liquid), Blue ice (Dry powder)

Shelf Life

AltairCHO® Feed Plus Liquid: 12 months
AltairCHO® Feed Plus Powder: 24 months

Cell Culture Conditions

37°C, 80% humidity, 5~8%CO₂
Shaker speed 110~150 rpm (amplitude: 50mm).

Recommended Feeding Strategy

Time line	Instruction	Feeding Strategy
Day 0	Seed cells into OPM's basal media at a density of $0.5 \times 10^6 \sim 1.5 \times 10^6$ viable cells/mL.	—
Day 2-4	Add AltairCHO® Feed Plus feed and the highly concentrated feed CDFS36 when the cell density has reached $4.0 \times 10^6 \sim 6.0 \times 10^6$ cells/mL.	AltairCHO® Feed Plus: 3~6% of initial culture volume; CDFS36: 0.3%~0.6% of initial culture volume;
Day 4-14/16	Add AltairCHO® Feed Plus feed and the highly concentrated feed CDFS36 every other day until the end of the culture.	AltairCHO® Feed Plus: 3~6% of initial culture volume; CDFS36: 0.3%~0.6% of initial culture volume;

Order Information

High Performance Feeds

Name	Cat No.	Type	Volume
AltairCHO® Feed Plus DPM	P225808	Dry powder	10L/50L
AltairCHO® Feed Plus	P226220	Liquid	500mL /1000mL

Cell Culture Media

Name	Cat No.	Type	Volume
AltairCHO® Medium	C673017	Liquid	1000mL
AltairCHO® DPM	C670226	Dry powder	10L / 50L / 100L

Highly Concentrated Feeds

Name	Cat No.	Type	Volume
CDFS36	C217836	Liquid	500mL / 1000mL
CDFS36 DPM	C672069	Dry powder	1L / 2L /5L / 10L / 50L / 100L

Cell Culture Supplements

Name	Cat No.	Type	Volume
OPM GAL+V2 Galatosylation enhancer	S81912	Liquid	100mL / 1000mL
OPM-ACA Anti-clumping agent	S0907001	Liquid	100mL / 500mL / 1000mL