



CDFS05

Cell Culture Supplement

— For Biomanufacturing

CDFS05 is a chemically-defined cell culture supplement which is designed to increase sialic acid level in antibodies and recombinant proteins produced in Chinese Hamster Ovary (CHO) cell culture. In conjunction with OPM-GAL+V2, higher quality of the recombinant proteins/antibodies can be achieved.

Application

CDFS05 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

CDFS05 Liquid: 6 months
CDFS05 Powder: 24 months

Reconstitution Method for Dry Powder

1. Measure out 80% of final required volume of purified water intended for cell culture use, e.g. WFI. Recommended water temperature is 25~35°C (minimum final volume \geq 1L).
2. Slowly add dry powder at 100.0 g/L and stir for 20 minutes until completely dissolved (avoid the light when mixing).
3. Add cell culture grade purified water to 100% final volume, and continue to stir for 10 minutes.
4. Sterile filter using a membrane filter with a pore size of 0.22 micron. Store at 2~8°C, protect from light.

Quality Specifications

Specifications	CDFS05	CDFS05 DPM
pH	4.0~7.0	4.0~7.0
Osmolality (mOsm/kg)	350~550	350~550
Solubility	---	Good by following the reconstitution instructions
Endotoxin (EU/mL)	---	<2.0
Sterility test	Negative	---

Cell Culture Conditions

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

Order Information

Cell Culture Supplements

Name	Cat No.	Type	Volume
CDFS05	R180067	Liquid	250ml
CDFS05 DPM	C216105	Dry powder	1L/10 L/50L
OPM-GAL+V2	S081912-001	Liquid	1000ml

Cell Culture Media

Name	Cat No.	Type	Volume
VegaCHO™ Medium	P121662	Liquid	1000mL
VegaCHO™ DPM	P106390	Dry powder	10L/50L/100L
AltairCHO™ Medium	C673017	Liquid	1000mL
AltairCHO™ DPM	C670226	Dry powder	10L / 50L / 100L

High Performance Feeds

Name	Cat No.	Type	Volume
AltairCHO™ Feed	C675219	Liquid	500mL
AltairCHO™ Feed DPM	C679332	Dry powder	10L / 50L
VegaCHO™ Feed	P134305	Liquid	500mL
VegaCHO™ Feed DPM	P120826	Dry powder	10L / 50L

Highly Concentrated Feeds

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

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