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NBS

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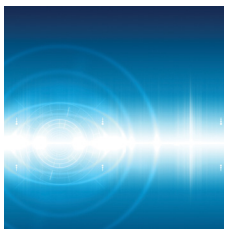
Adsorbents, Biochemicals, Cell Biology, Cell Culture, Electrophoresis, Genomics, Immunology, Lab Dialysis, Proteomics, RNAi, Spin Column

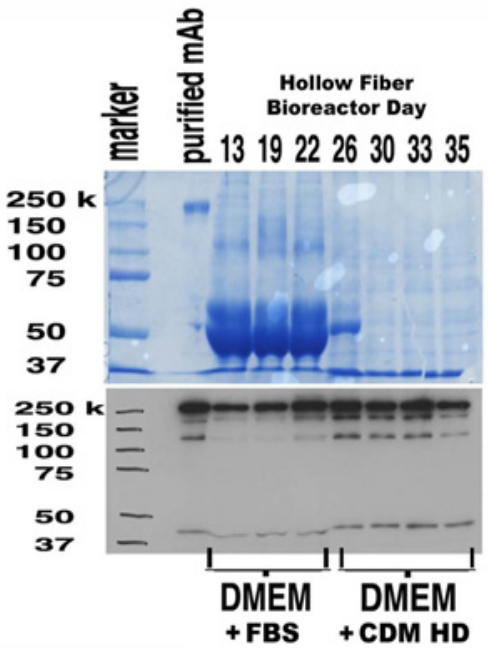
CDM-HD

Serum Replacement



- ✓ Chemically Defined, Protein Free Serum Replacement
- ✓ Long Shelf Life, Simple Storage Conditions
- ✓ Lot-to-Lot Consistency

CDM-HD Serum Replacement is a chemically defined, protein free serum replacement that permits any basal medium such as DMEM or RPMI to be used without serum. CDM-HD is optimised for the culture of cells at high density using the FiberCell hollow fiber bioreactor but can also be used in other systems (eg. spinner & roller culture).



CDM-HD provides lot-to-lot consistency and is an economical replacement for serum. It is available as a dry powder to make up one litre and is used at a concentration of 10%. The cost of CDM-HD is half that of serum giving you all the benefits of a chemically defined, protein free medium without the high price.

FEATURES	BENEFITS
Chemically defined	lot-to-lot consistency
Protein free	purification of secreted products simplified
Animal component free	regulatory compliance simplified, no agents of unknown
Dry powder	long shelf life
Store at 4 degrees	simple storage conditions

Ordering Information

	Code	Size	Price
CDM-HD Serum Replacement	CDM-HD	powder to make 1L	£130.00

Notes

1. CDM-HD will not require any adaptation but is optimised for cells growing at high density. For best results switch to CDM HD after cells have reached a high density inside the FiberCell hollow fiber bioreactor, typically after around one week of culture.

2. CDM-HD does not contain any carbon source. When working with a low glucose medium such as RPMI it is important to supplement the glucose concentration to 4.5 grams per litre.

3. CDM-HD is protein free and does not contain any cell attachment factors. When innoculating cells in medium containing CDM-HD add 10% FBS to the cell innoculum only. This will provide the required attachment factors for adherent cells. This is not required for suspension cells though hybridoma cell lines should be treated as adherent cells.

4. CDM-HD can be used in other culture systems such as spinner culture and roller culture. For these applications add pluronic F60 or some other cell membrane protecting surfactant.

5. CDM-HD is protein free. The secreted protein of interest may be the only significant protein present in your cell culture supernatant. You should re-evaluate your purification protocols as entire steps can sometimes be eliminated, increasing yield. Keep in mind that CDM-HD is protein free and contains no ferritin so the free iron levels will be higher than in standard mediums. Pay attention to any chelating agents that may be part of your buffers or purification protocol.