

EX-CELLTM Serum-Free Media for Hybridoma Cells and Monoclonal Antibody Production

EX-CELL[™] NS0

Serum-Free Medium for NS0 Cells,

EX-CELL[™] 610-HSF is a low-protein (11 mg/L) serum-free **Chemically Defined** medium. Originally developed to support the growth of EX-CELL[™] NS0 is an animal-component free, protein-free, hybrid cells in culture, it has been shown to support a wide chemically defined, serum-free medium developed for the range of cells including lymphoid and epithelial cells and B long-term growth of NSO-related cells in suspension culture. cell hybridomas of murine, rat and human origin. The NSO cells are clonal derivatives of the parent NS1 cell EX-CELL[™] 610-HSF has been used in stationary culture systems line and are capable of growth in suspension culture. NSO and in large-scale bioreactors. In both types of culture, the hybridoma suspension cultures can be subcultured directly production of cellular products, particularly monoclonal into EX-CELL[™] NS0 from serum-supplemented or serum-free antibodies, has been shown to equal or exceed levels seen media. Suspension cultures in EX-CELL[™] NS0 have been carried when the same cells are cultured in the presence of Fetal for more than 50 passages with no loss of growth or viability. Bovine Serum (FBS).

EX-CELL[™] Sp2/0

Serum-Free Medium for Sp2/0 Cells,

Chemically Defined EX-CELL[™] 620-HSF is a low-protein (approximately 11 mg/L) serum-free medium which has been specifically developed EX-CELL[™] Sp2/0 is an animal-component free, protein-free, for the long-term growth of hybridoma and related cells chemically defined, serum-free medium developed for the capable of expressing monoclonal antibodies and other protein long-term growth of Sp2/0-related cells in suspension products. The following hybridoma, lymphoma and myeloma culture. The Sp2/0 cells are capable of growth in suspension cell lines have demonstrated sustained long-term, serum-free culture. Sp2/0 hybridoma suspension cultures can be growth (> 15 passages) in EX-CELL[™] 620-HSF: Sp2/0 Ag14, subcultured directly into EX-CELL[™] Sp2/0 from serum-L243, VD-10, Hut 78, K562. Additionally, transformed Chinese supplemented or serum-free media with little or no Hamster Ovary (CHO-K1) cells have demonstrated excellent adaptation. Suspension cultures in EX-CELL[™] Sp2/0 have growth and productivity when grown in this medium. been carried for more than 25 passages with no loss of growth or viability.

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Issued March 2006 T030 0903 1005 1105

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Technical Bulletin

EX-CELL[™] 610-HSF

Serum-Free Medium for Hybridoma Cells

EX-CELL[™] 620-HSF

Serum-Free Medium for Hybridoma Cells

Refer to product comparison chart inside publication for more information about EX-CELL[™] NS0, EX-CELL[™] Sp2/0, EX-CELL[™] 610-HSF and EX-CELL[™] 620-HSF.

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Product comparison chart: EX-CELL[™] NSO, EX-CELL[™] Sp2/0, EX-CELL[™] 610-HSF and EX-CELL[™] 620-HSF

	EX-CELL™ NS0		EX-CELL™ Sp2/0		EX-CELL™ 610-HSF		EX-CELL [™] 620-HSF	
Catalog Number	14650	24651	14660	24660	14610	24610	14621	24621
Format	Liquid	Dry Powder	Liquid	Dry Powder	Liquid	Dry Powder	Liquid	Dry Powder
Standard Sizes	500 mL	1 L	500 mL	1 L	500 mL	1 L	500 mL	1 L
	1000 mL	5 L	1000 mL	5 L	1000 mL	5 L	1000 mL	5 L
		10 L		10 L		10 L		10 L
		50 L		50 L		50 L		50 L
		-	_	_		100 L		100 L
Applicable Systems	Suspension		Suspension		Stationary/Suspension		Stationary/Suspension	
Protein Level	N/A		N/A		11 mg/L		11 mg/L	
Protein Source*	N/A		N/A		Animal*		Animal*	
Hydrolysate Source	N/A		N/A		N/A		Animal/Plant*	
L-glutamine	No,		No,		Yes,		No,	
	Recommend adding 8 mM		Recommend adding 8 mM		0.333 g/L		Recommend adding 4 mM	
HEPES	No		7.5 mM		7.5 mM		7.5 mM	
Pluronic [®] F-68	0.1%		0.1%		No		0.1%	
Glucose	5.6 g/L		4.0 g/L		3.45 g/L		3.45 g/L	
Hypoxanthine & thymidine	Yes		Yes		Yes		No	
Sodium bicarbonate	Yes,	No, add	Yes,	No, add	Yes,	No, add	Yes,	No, add
	2.14 g/L	2.14 g/L	1.05 g/L	1.05 g/L	1.60 g/L	1.60 g/L	1.6 g/L	1.6 g/L

*All protein products of bovine origin are collected from USDA approved sources.

The formulations for all EX-CELL[™] Serum-Free Media are proprietary to SAFC Biosciences. For more information about this subject or other SAFC Biosciences' products and services, please call our Technical Services department.

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