



Des femmes et des hommes  
au service de vos recherches

## Guide d'achat milieux sans sérum BioWhittaker™

Product	Catalog	Application	Chemically Defined?	Contains Protein >10kD	Protein Identity & Insulin Status (rH-Insulin Not a Protein, 5 kD)	AO/NAO	Protein Source? Recombinant, Animal, Human	Additions Required	FDA Masterfile	Comments
<b>HEK293 Cells</b>										
Pro293™a	12-7640	293 cells (kidney) in high density adherent cultures (HEK, HNK)	Yes	No	Rec. human insulin	NAO	Recombinant	L-glutamine	No	
Pro293™s	BE02-0250	293 cells (kidney) in high density suspension cultures (HEK, HNK)	Yes	No	Rec. human insulin	NAO	Recombinant	L-glutamine	No	
<b>CHO Cells</b>										
PowerCHO™-1 CD	12-7700	CHO cells in suspension	Yes	No	Rec. human insulin	NAO	Recombinant	L-glutamine	Yes	HT supplement (BE17-855E) can be added to support DHFR-negative cells
PowerCHO™-2 CD	BE 12-7710	CHO cells in suspension	Yes	No	Rec. human insulin	NAO	Recombinant	L-glutamine	Yes	
PowerCHO™-3 CD	BE 12-7720	CHO cells in suspension	Yes	No	Rec. human insulin	NAO	Recombinant	L-glutamine	Yes	
PowerCHO™-GS	BE 12-7760	CHO cells in suspension	Yes	No	No insulin	NAO	Contains no protein - no insulin	L-glutamine	No	
ProCHO4™	BE 12-0290	CHO cells in suspension, MDCK	No	No	Rec. human insulin	NAO	Recombinant	L-glutamine	Yes	Plant hydrolysate in ProCHO 4 and 5 is not chemically defined (CD). Use PowerCHO™ for hydrolysate-free CD media. ProHT™ Supplement can be added to support DHFR-negative cells.
ProCHO4™ w/o phenol Red	04-9190	CHO cells in suspension	No	No	Rec. human insulin	NAO	Recombinant	L-glutamine	Yes	
ProCHO5™	BE 12-7660	CHO cells in suspension	No	No	Rec. human insulin	NAO	Recombinant	L-glutamine	Yes	
ProCHO AT™	BE02-0160	CHO cells - adherent	No	No	Rec. human insulin	NAO	Recombinant	No	No	
<b>Cryoprotective Medium</b>										
ProFreeze™ CDM (2x) freezing medium	12-769E	Chemically defined NAO serum-free cryopreservation of cells grown in serum-free media	Yes	No	—	NAO	Contains no protein	DMSO	Yes	Same instructions as 12-768E
<b>General, Adherent</b>										
PC-1™	77232	Primary and anchorage-dependent cells like bovine kidney, HeLa, BHK-21, VERO, Hep2, WI-38 and 3T3 cells	Yes	Yes	Rec. human insulin, human transferrin, stabilizing proteins	AO	Animal origin	L-glutamine	Yes	
UltraCULTURE™	BE 12-725F	Anchorage-dependent cells like HEL, HeLa, Raji and Rat-1 cells	No	Yes	Rec. human insulin, bov. transferrin, bov. serum proteins	AO	Animal origin	L-glutamine	Yes	
UltraMEM™	BE 12-743F	Anchorage-dependent celltypes under reduced serum concentrations	Yes	Yes	Rec. human insulin, bov. transferrin	AO	Animal origin	No	Yes	
UltraMEM™	12-745F	Anchorage-dependent cell types under reduced serum concentrations	Yes	No	—	No claim	No protein, no insulin	L-glutamine	Yes	Can be manufactured NAO
<b>Hybridoma</b>										
HL1™	BE 77201	Mouse, rat and human Hybridoma's, monocytes, macrophages and lymphocytes	Yes	Yes	Rec. hum. insulin, hum. transferrin, bov. testosterone, stabilizing protein	AO	Animal origin	L-glutamine	Yes	
HL1™ FBS substitute	77227	Mouse, rat and human Hybridoma's, monocytes, macrophages and lymphocytes	Yes	Yes	Rec. hum. insulin, hum. transferrin, bov. testosterone, stabilizing protein	AO	Animal origin	NA	Yes	Use with DMEM:F12, IMDM or RPMI

\*AO/NAO : Animal Origin/Non Animal Origin

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ProDOMA™-1	BE02-0290	Mouse, rat and human Hybridoma's	Yes	No	Rec. human insulin	NAO	Recombinant	L-glutamine	No	
ProDOMA™-3	BE02-0320	Mouse, rat and human Hybridoma's	No	No	Rec. human insulin	NAO	Recombinant	L-glutamine	No	
Ultradoma	12-723B BE12-723F	Mouse, rat and human Hybridoma's	Yes	Yes	Rec. human insulin, bov. transferrin, bov.albumin	AO	Animal	L-glutamine	Yes	
UltraDOMA™-PF™	12-727F	Mouse, rat and human Hybridoma's	Yes	No	–	NAO	No proteins, no insulin	No	Yes	
<b>Insect Cells</b>										
Insect-XPRESS™	BE 12-730F	Suspension or attached insect cell cultures, Sf9, Sf21, D. Mel., S2, High Five	No	No	–	AO	No proteins	No	Yes	
Insect-XPRESS™	BE 12-7300	Suspension or attached insect cell cultures, Sf9, Sf21, D. Mel., S2, High Five	No	No	–	AO	No proteins	No	Yes	
<b>MDCK</b>										
UltraMDCK	BE 12-7490	MDCK cells and other kidney cells	Yes	Yes	Rec. human insulin, bov transferrin	AO	Animal	No	Yes	
<b>NSO</b>										
ProNSO™ 1 CD	12-7730	NSO suspension	Yes	No	Rec. human insulin	NAO	Recombinant	L-glutamine	No	If NSO clones require cholesterol, suggest entire 5 ml supplement 12-775J per liter
ProNSO™ 2 CD	12-7740	NSO suspension	Yes	No	Rec. human insulin	NAO	Recombinant	L-glutamine	No	
ProNSO™ Lipid CD supplement w. cholesterol	12-775J	Lipid supplement for NSO suspension	Yes	No	–	NAO	No proteins	NA	No	However, running a trituration curve with supplement might significantly enhance the protein yield
<b>PER.C6® , 293 HEK</b>										
ProPer™ 1	BE02-0280	PER.C6® & suspension retinoblastoma, viral vaccine	Yes	No	Rec. human insulin	NAO	Recombinant	L-glutamine	No	
<b>VERO</b>										
ProVero™ 1	BE02-0300	Vero & MDCK, viral vaccine, kidney cells	No	No	Rec. human insulin	NAO	Recombinant	L-glutamine/EGF 5 ug/ml	No	
<b>Hematopoietic Cells</b>										
X-VIVO™ 10	BE 04-3900	LAK,PBL,TIL,T-cells,stem cells, macrophages and monocytes	Yes	Yes	Rec. human insulin, human transferrin, human serum albumin	AO	Recombinant and human	various growth factors depending on application	Yes	X-VIVO™ 10 and 15 are available with rec. transferrin instead of human transferrin (BE02-053Q, BE02-054Q and BE02-055Q respectively) and without gentamicin and phenol red (BE04-743Q, BE04-744Q).
X-VIVO™ 15	BE 04-4180/F	LAK,PBL,TIL,T-cells,stem cells, macrophages and dendritic cells	Yes	Yes	Rec. human insulin, human transferrin, human serum albumin	AO	Recombinant and human		Yes	
X-VIVO™ 20	BE 04-4480	LAK,PBL,TIL,T-cells,stem cells, macrophages	Yes	Yes	Rec. human insulin, human transferrin, human serum albumin	AO	Recombinant and human		Yes	
<b>Cytogenetic Media ( For in vitro diagnostic use.)</b>										
<b>amniotic fluid cells obtained from amniocentesis and chorionic villi for cytogenetic analysis</b>										
Amniochrome™ II	12-756EZMFC	culture of human amniotic fluid cells for cytogenetic analysis	No (medium containing FBS)	Yes	Formulation is confidential (and due to content in FBS protein identity + insulin status is also not defined)	AO	Recombinant, Animal, Human: Animal origin + recombinant	No	No	Medium is CE marked (for IVD use)
Amniochrome™ Pro	02-035E/F	culture of human amniotic fluid cells for cytogenetic analysis	No (medium containing FBS)	Yes	Formulation is confidential (and due to content in FBS protein identity + insulin status is also not defined)	AO	Recombinant, Animal, Human: Animal origin + recombinant	No	No	Medium is CE marked (for IVD use)
Amniochrome™ Plus	02-026E/F	culture of human amniotic fluid cells for cytogenetic analysis	No (medium containing FBS)	Yes	Formulation is confidential (and due to content in FBS protein identity + insulin status is also not defined)	AO	Recombinant, Animal, Human: Animal origin + recombinant	No	No	Medium is CE marked (for IVD use)
<b>karyotyping medium for Lymphocytes from peripheral Blood</b>										
Lymphochrome™	BE02-015E/F/E	culture of human peripheral blood lymphocytes for karyotypin	Yes	Yes	Formulation is confidential, no list of components (also not of protein components) available.	AO (human)	Recombinant, Animal, Human: human origin + recombinant	No	No	Medium is CE marked (for IVD use)

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