

Materials List for:

Purification and Analytics of a Monoclonal Antibody from Chinese Hamster Ovary Cells Using an Automated Microbioreactor System

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Materials

Name	Company	Catalog Number	Comments
CHO DG44 Cell Line	Invitrogen	A1100001	
Akta Avant 25	General Electric Life Sciences	28930842	
Pro Sep vA Ultra Chromatography Resin	Millipore Sigma	115115830	Purification Stationary Phase
Omnifit 10cm Column	Diba Fluid Intelligence	006EZ-06-10-AA	Housing for Stationary Phase
Tris Base	Fisher Scientific	BP154-1	
Superloop 10 mL	GE Healthcare	18-1113-81	
µDawn Multi Angle Light Scattering Detector	Wyatt	WUDAWN-01	
0.22 µm Millex GV Filter Unit PVDF Membrane	Merck Millipore	SLGV033RB	
10X Phosphate Buffered Saline	Corning	46-013-CM	
12 mL Syringe	Covidien	8881512878	
1290 Infinity Binary Pump	Agilent Technologies	G4220A	
1290 Infinity DAD	Agilent Technologies	G4212A	
1290 Infinity Sampler	Agilent Technologies	G4226A	
1290 Infinity Thermostat	Agilent Technologies	G1330B	
1290 Infinity Thermostatted Column Compartment	Agilent Technologies	G1316C	
15 mL Falcon tube	Corning Inc.	352097	
150 µL Glass Inserts with Polymer Feet	Agilent Technologies	5183-2088	
50 mL Falcon tube	Corning Inc.	352070	
96-Well Plate	Bio-Rad	127737	
Acetic Acid	Sigma-Aldrich	695072	
Acetonitrile	Fisher Chemical	BPA996-4	
ACQUITY I-Class UPLC BSM	Waters Corporation	18601504612	
ACQUITY I-Class UPLC Sample Manager	Waters Corporation	186015000	
ACQUITY UPLC FLR Detector	Waters Corporation	176015029	
Amicon Ultra-4 100 kDa centrifugal filters	Merck Millipore	UFC810096	
Amino Acid Standard, 1 nmol/µL	Agilent Technologies	5061-3330	
Amino Acid Supplement	Agilent Technologies	5062-2478	

Ammonium Formate Solution - Glycan Analysis	Waters Corporation	186007081	
Blue Screw Caps with Septa	Agilent Technologies	5182-0717	
CD OptiCHO AGT Medium	Thermo Fisher Scientific	A1122205	
Centrifuge Tubes	Eppendorf	22363352	
Charge Variant Chip	Perkin Elmer	760435	
Charge Variant Reagent Kit	Perkin Elmer	CLS760670	
Chromatography Water (MS Grade)	Fisher Chemical	W6-4	
Dimethylformamide	Thermo Scientific	20673	
Extraction Plate Manifold for Oasis 96-Well Plates	Waters Corporation	186001831	
Formic Acid	Fisher Chemical	A117-50	
GlycoWorks RapiFlour-MS N-Glycan Starter Kit - 24 Sample	Waters Corporation	176003712	
GXII Buffer Tubes	E&K Scientific	697075- NC	
GXII Detection Window Cleaning Cloth	VWR	21912-046	
GXII HT Touch	Perkin Elmer	CLS138160	
GXII Ladder Tubes	Genemate	C-3258-1	
GXII Lint-Free Swab	ITW Texwipe	TX758B	
Hydrochloric Acid	Fisher Scientific	A144-500	
Intact mAb Mass Check Standard	Waters Corporation	186006552	
Intrada Amino Acid Column 150 x 2 mm	Imtakt	WAA25	
NanoDrop One Microvolume UV-Vis Spectrophotometer	Thermo Fisher Scientific	840274100	
Optilab UT-rEX Differential Refractive Index Detector	Wyatt	WTREX-11	
Perchloric acid	Aldrich Chemistry	311421	
Pipet Tips with Microcapillary for Loading Gels	Labcon	1034-960-008	
Polypropylene 96-Well Microplate, F-bottom, Chimney-style, Black	Greiner Bio-One	655209	
RapiFlour-MS Dextran Calibration Ladder	Waters Corporation	186007982	
Screw Top Clear Vial 2mL	Agilent Technologies	5182-0715	
Sodium Chloride	Fisher Scientific	S271-1	
Sodium Iodide	Sigma Aldrich	383112	
TSKgel UP-SW3000 4.6mm ID x 30 cm L	Tosoh Biosciences	003449	
UNIFI Scientific Information System	Waters Corporation	667005138	
Vacuum Manifold Shims	Waters Corporation	186007986	
Vacuum Pump	Waters Corporation	725000604	
Xevo G2 Q-ToF	Waters Corporation	186005597	
Zeba Spin Desalting Column, 0.5 mL	Thermo Scientific	89883	