

Materials List for:

Activated Cross-linked Agarose for the Rapid Development of Affinity Chromatography Resins - Antibody Capture as a Case Study

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Materials

Name	Company	Catalog Number	Comments
10 L/20 L Bucket	n/a	n/a	Blanching equipment
2100P Portable Turbidimeter	Hach	4650000	Turbidimeter
ÄKTApure	GE Helthcare	29018226	Chromatography system
Allegra 25R	Beckman Coulter	369434	Centrifuge
Amine Coupling Kit	GE Healthcare	BR100050	SPR chip coupling kit
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Antibody 2G12	Fraunhofer IME	n/a	Standard for SPR quantification
Blender	Waring	800EG	Blender
BP-410	Fuhr	2632410001	Bag filter
CanoScan 5600F	Canon	2925B009	Scanner
Centrifuge tube 50 mL self-standing	Labomedic	1110504	Reaction tube
Chelating Sepharose FF	GE Helthcare	17-0575-01	Chromatography resin
Cond 3320	WTW	EKA 3338	Conductometer
Design-Expert(R) 8	Stat-Ease, Inc.	n/a	DoE software
Discovery Compfort	Gilson	F81029	Multichannel pipette
Disodium phosphate	Carl Roth GmbH	4984.3	Media component
Diverse bottles	Schott Duran	n/a	Glas bottles
Dri Block DB8	Techne	Z381373	Heat block
DsRed	Fraunhofer IME	n/a	Standart
EDTA	Carl Roth GmbH	8043.2	Buffer component
EnSpire	Perkin Elmer	2390-0000	Plate reader
ETHG-912	Oregon Scientific	086L001499-230	Thermometer
F9-C	GE Helthcare	29027743	Fraction collector
Ferty 2 Mega	Kammlott	5.220072	Fertilizer
Forma -86C ULT freezer	ThermoFisher	88400	Freezer
HEPES	Carl Roth GmbH	9105.3	Buffer component
Hettich Centrifuge Mikro 200	Hettich	2400	Centrifuge
HiPrep 26/10	GE Helthcare	GE17-5087-01	Chromatography column
HiTrap NHS-activated Sepharose HP, 1 mL	GE Helthcare	17-0716-01	Chromatography columns
Hydrochloric acid	Carl Roth GmbH	4625.1	Buffer component
Imidazole	Carl Roth GmbH	3899.2	Buffer component

K700	Pall	5302305	Depth filter layer
KM02 basic	IKA	n/a	Magnetic stirrer
KS50P 60D	Pall	B12486	Depth filter layer
L/S 24	Masterflex	SN-06508-24	Tubing
Lauda E300	Lauda Dr Wobser GmbH	Z90010	Immersion circulator
Magnesium chloride	Carl Roth GmbH	KK36.2	Buffer component
Masterflex L/S	Masterflex	HV-77921-75	Peristaltic pump
Minisart 0.2 µm	Sartorius	16534K	Filter unit
Nalgene Rapid-Flow PES bottle top filter	Thermo Fischer Scientific	595-4520	Vacuum filtration of SPR buffers
Nickel sulphate	Carl Roth GmbH	T111.1	Buffer component
Novex NuPAGE 4-12% BisTris LDS gels	Invitrogen	NP0336BOX	LDS-PAA gels
Novex X-cell Mini Cell	Invitrogen	EI0001	PAGE chamber
NuPAGE 20x running buffer	Invitrogen	NP0002	Buffer concentrate
NuPAGE antioxidant	Invitrogen	NP0005	Antioxidant
PageRuler protein ladder (10-180 kDa)	Invitrogen	26616	Protein standart
Perforated bucked	n/a	n/a	Blanching
PH 3110	WTW	2AA110	PH meter
PowerPac HC	Biorad	1645052	Electrophoresis module
Protein A from <i>Staphylococcus aureus</i>	Sigma-Aldrich	P7837-5MG	Coating of SPR chips
Sephadex G-25 fine, cross linked dextran	GE Helthcare	17003301	Chromatography resin
Silicone spoon	n/a	n/a	Spoon
Simply Blue SafeStain	Invitrogen	LC6060	Gel staining solution
Sodium acetate	Carl Roth GmbH	6773.1	Buffer component
Sodium acetate	Carl Roth GmbH	X891.1	Media component
Sodium azide	Sigma Aldrich	S2002-100G	Media component
Sodium chloride	Carl Roth GmbH	P029.2	Buffer component
Sodium citrate	Carl Roth GmbH	HN13.2	Buffer component
Sodium bisulfite	Carl Roth GmbH	243973-100G	Media component
Sodium phosophate	Carl Roth GmbH	T877.2	Media component
SPR Affinity Sensor - High Capacity Amine	Sierra Sensors GmbH/Bruker Daltonics	SPR-AS-HCA	SPR chip
SPR-2/4 Surface Plasmon Resonance Analyzer	Sierra Sensors GmbH/Bruker Daltonics	n/a	SPR device
SSM3	Stuart	10034264	Mini Gyro-rocker
Heated vessel, 20 L	Clatronic	n/a	Blanching chamber
Sterile syringes, 2 mL	B. Braun	4606027V	Syringes
Syringe adppter (Union Luer F)	GE Helthcare	181112-51	Syringe adapter
TE6101	Sartorius	TE6101	Precision scale
Tween-20 (Polysorbate)	Merck	8170721000	Buffer component
Unicorn 6.4	GE Helthcare	29056102	Chromatography software
Vacuum bags	Ikea	203.392.84	Plant storge
VelaPad 60	Pall	VP60G03KNH4	Filter housing
Vortex-Genie 2	Scientific industries	SI-0236	Vortex

XK-26/20 column housing	GE Helthcare	28-9889-48	Chromtography column
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