

Materials List for:

Quantitative Measurement of Intrathecally Synthesized Proteins in Mice

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Materials

Name	Company	Catalog Number	Comments
1 mL insulin syringe	BD	329650	
1 mL syringe	BD	329622	
25 gauge needle	BD	305122	
3 mL syringe	BD	309582	
30 gauge insulin needle	BD	305106	
Absorbent pads	Any suitable brand		
Acepromazine	Patterson Vet Supply Inc		
BioPlex Handheld Magnetic Washer	BioRad	171020100	Magnet
BioPlex MAGPIX Multiplex Reader	BioRad	171015001	
BioPlex Pro Flat Bottom Plates	BioRad	171025001	
Biotinilated detection antibody	Any suitable source		The antibody has to be directed against the species of the protein of interest.
Bovine Serum Albumin (BSA)	Sigma	A4503	
Buprenorphine hydrochloride	PAR Pharmaceutical	NDC 42023-179-05	
Capillary Tubes	Sutter Instrument	B100-75-10	OD: 1.0 mm, ID: 0.75 mm Borosilicate glass 10 cm; drawn over Bunsen to make ID smaller.
Centrifuge tube, 0.2 mL	VWR	20170-012	
Centrifuge tube, 0.5 mL	VWR	87003-290	
Centrifuge tube, 1.5 mL	VWR	87003-294	
Chlorhexidine diacetate	Nolvasan	E004272	
Disposable pipettes tips	Any suitable brand		
Ear bars	KOPF Instruments	1921 or 1922	
Ethanol	Kopter	V1001	
Freezer	VWR	VWR32086A	
Gauze	Medline	NON25212	
Heating pad	Sunbeam		XL King Size SoftTouch, 4 Heat Settings with Auto-Off, Teal, 12-Inch x 24-Inch
Induction Chamber	VETEQUIP		
Isoflurane	Patterson Vet Supply Inc	NDC 14043-704-06	
Ketamine (KetaVed)	Patterson Vet Supply Inc		
MagPlex Microspheres (antibody-coupled)	BioRad		Antibody-coupled magnetic bead
Microplate Shaker	Southwest Scientific	SBT1500	

Microretractors	Carfill Quality	ACD-010	Blunt - 1 mm
Microsoft Office (Excel)	Microsoft		
MilliPlex MAP Mouse Immunoglobulin Isotyping Magnetic Bead Panel	EMD Millipore	MGAMMAG-300K	Commercial kit for the quantification through Luminex of a panel of immunoglobulin isotypes and subclasses in mouse fluids.
Mouse Albumin capture ELISA kit	Novus Biological	NBP2-60484	Commercial kit for the quantification through ELISA of albumin in mouse fluids.
Multichannel pipette	Eppendorf	3125000060	
Non-Sterile swabs	MediChoice	WOD1002	Need to be autoclaved for sterility
Oxygen	AIRGAS	OX USPEA	
Pasteur Pippettes	Fisher	13-678-20A	5 & 3/4"
PDS suture with disposable needle, 6-0 Prolen	Patterson Vet	8695G	P-3 Reverse Cutting, 18"
PE-Streptavidin	BD Biosciences	554061	
Pipetters	Eppendorf	Research series	
Polyethylene tubing			
Refrigerated Centrifuge	Beckman Coulter	ALLEGRA X-12R	
Scale	Uline	H2716	
Scalpel	Feather	EF7281	
Shaver	Harvard Apparatus	52-5204	
Standard proteins	Any suitable source		The best choice for a reference standard is a purified, known concentration of the protein of interest.
Stereotaxic instrument	KOPF Instruments	Model 900LS	Standard Accessories
Sterile 1 x PBS	Corning Cellgro	21-040-CV	
Sterile saline	Baxter	0338-0048-02	0.9 % Sodium Chloride Irrigation USP
Surgical Forceps Curved, 7 (2)	Fine Science Tools	11271-30	Dumont
Surgical Scissors	Fine Science Tools	14094-11	Stainless 25x
Vaporizer + Flow meter	Moduflex Anesthesia Instruments		
Vortex	Fisher	02-215-414	
Warming pad	Kent Scientific Corporation	RT-JR-20	
Water Sonicator	Cole Parmer	EW-08895-01	
Xylazine	Patterson Vet Supply Inc		