

Materials List for

Modeling Multiple Sclerosis in the Two Sexes: MOG₃₅₋₅₅-Induced Experimental Autoimmune Encephalomyelitis

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Materials

Name	Company	Catalog Number	Comments
18 G x 1 ½" 1.2 x 40 mm needle for the glass syringe	Terumo	TER-HYP-18G-112-PIN	
Digital camera connected to the optical microscope	NIKON DS-U1 digital camera		
Electronic precision balance	Merck	Mod. Kern-440-47N, resolution 0.1 g	
Eosin Y	Sigma-Aldrich	HT110216	
Glass syringe pipet “ultra asept” 10 ml	Sacco System	L003465	
Glassware (i.e., becker to prepare the emulsion)	VWR	213-1170, 213-1172	
Hematoxylin (Mayer’s)	Sigma-Aldrich	MHS32	Filter before using it.
Image analysis Software	Fiji		
Incomplete Freund’s adjuvant (IFA)	Sigma-Aldrich	F5506	Store at +4 °C.
Isoflurane	Wellona Pharma		This drug is used as inhalational anaesthetic.
Male and female C57BL/6J mice	Jackson Laboratory, Envigo		Age 8-10 weeks, optimal body weight of ~20 g.
Microtome	Leica HistoCore BIOCUT R		
Mounting Medium	Merck	107961	
Mouse Rotarod	Ugo Basile	#47600	
<i>Mycobacterium tuberculosis</i> (MT), strain H37Ra	Difco Laboratories Inc.	231141	Store at +4 °C.
Myelin oligodendrocyte glycoprotein peptide 35-55 (MOG ₃₅₋₅₅)	Espikem	EPK1	Store at -80 °C diluted (2 mg/mL) in physiological solution; prepare it on the day of the immunization to avoid, as much as possible, alterations or contaminations.
Optical microscope	NIKON eclipse 90i		
Paraformaldehyde (PFA)	Sigma-Aldrich	158127	Store at +4 °C once diluted (4%) in phosphate buffer.

Pertussis toxin (PT)	Duotech	PT.181	Store at -80°C diluted (concentration 5 µg/mL) in physiological solution
Physiological solution (sodium chloride 0.9% solution)	B. Eurospital	A 032182038	Store at +4 °C once opened.
Saline phosphate buffer (PBS)	Thermo Scientific	J61196.AP	
Software for image acquisition	NIS-Element AR 2.10		
Syringes U-100 0.5 mL with 30 G x 5/16" (0.30 x 8 mm) in fixed needle	Nipro	SYMS-0.5U100-3008B-EC	
Syringes U-100 1 mL with 26G x 1/2" (0.45 x 12.7 mm) in needle	PIC	20,71,26,03,00,354	
Vet ointment for eyes	Lacrilube, Lacrigel Europhta		
Xylazine	Rompun		This mixture of drug is used as injectable anaesthetic and sedative.
Zolazepam and Tiletamine	Zoletil 100		This drug is used as injectable anaesthetic, sedative, muscle relaxer, and analgesic