

Materials List for:

# Visualizing Impairment of the Endothelial and Glial Barriers of the Neurovascular Unit during Experimental Autoimmune Encephalomyelitis In Vivo

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## Materials

Name	Company	Catalog Number	Comments
AMCA anti-rabbit antibody	Jackson ImmunoResearch	111-156-045	Store at 4 °C; protect from light
Anti-CD45 Antibody (30F11)	Pharmingen	07-1401	Store at 4 °C
Anti-Laminin Antibody	DAKO	Z0097	Store at 4 °C
Breeding food	e.g. PROVIMI KLIBA SA	3336	
Individually ventilated cages, Blue line Type II or III	e.g. Tecniplast	1145T, 1285L	
BSA fraction V	Applichem	A1391	Store at 4 °C
Cold gelatine	Sigma-Aldrich	G 9391	
Coplin jar + rack	e.g. Carl Roth GmbH + Co. KG	H554.1; H552.1	
Cy3 anti-rat antibody	Jackson ImmunoResearch	111-156-144	Store at 4 °C; protect from light
Cover slips 24 x 40 mm # 1	e.g. Thermo Scientific	85-0186-00	
Dextran Alexa Fluor 488 (10,000 MW)	e.g. Molecular probes	D22910	Store at -20 °C; protect from light
Dextran Texas Red (3000 MW)	Invitrogen	D3328	Store at -20 °C; protect from light
EnzChek Gelatinase/Collagenase Assay Kit	Thermo Fisher Scientific; EnzCheck	E12055	Store at -20 °C; protect form light
Female C57BL/6J mice (8-12 weeks)	e.g. Janvier Labs		Females, 8-12 weeks
Freezing box for histology slides	e.g. Carl Roth GmbH + Co. KG	2285.1	
18G x 1½" (1.2mm x 40mm) injection needle	e.g. BD, BD Microlance 3	304622	
27G x ¾" – Nr. 20 (0.4mm x 19mm) injection needle	e.g. BD, BD Microlance 3	302200	
30G x ½" (0.3 mm x 13 mm) injection needle	e.g. BD, BD Microlance 3	304000	
Incomplete Freund's adjuvant (IFA)	e.g. Santa Cruz Biotechnology	sc-24648	Store at 4°C
Maintenance food	e.g. PROVIMI KLIBA SA	3436	
MOGaa <sub>35-55</sub> peptide	e.g. GenScript		Store at -80 °C
microscope slides (Superfrost Plus )	Thermo Scientific	J1800AMNZ	
<i>Mycobacterium tuberculosis</i> H37RA	e.g. BD	231141	Store at 4 °C
NaCl 0.9 %	B. Braun	3535789	
O.C.T. compound (Tissue-Tek )	Sakura	4583	
Omnican 50 30G x ½"	B. Braun	9151125S	
Paraformaldehyde	Merck	30525-89-4	

Pertussis toxin	e.g. List biological laboratories, Inc.	180	Store at 4 °C
poly(vinyl alcohol) (Mowiol 4-88)	Sigma-Aldrich	81381	
Protease Inhibitor EDTA free (Roche)	Sigma-Aldrich	4693132001	Store at 4 °C
repelling pen e.g. DAKO Pen	e.g. DAKO	S2002	
sealing film e.g. Parafilm M	e.g Sigma-Aldrich	P7793	
Silica gel	e.g. Carl Roth GmbH + Co. KG	9351.1	
Stitch scissor	F.S.T	15012-12	
syringe 1 ml	e.g. PRIMO	62.1002	
syringe 10 ml	e.g. CODAN Medical ApS	2022-05	
vaporizer system Univentor 400	UNO.BV		