

Materials List for:

Fluorescence-mediated Tomography for the Detection and Quantification of Macrophage-related Murine Intestinal Inflammation

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URL: <https://www.jove.com/video/55942>

DOI: [doi:10.3791/55942](https://doi.org/10.3791/55942)

Materials

Name	Company	Catalog Number	Comments
Reagents			
Alfalfa-free diet	Harlan Laboratories, Madison, USA	2014	
Bepanthen eye ointment	Bayer, Leverkusen, Germany	80469764	
Dextran sulphate sodium (DSS)	TdB Consultancy, Uppsala, Sweden	DB001	
Eosin	Sigma - Aldrich, Deisenhofen, Germany	E 4382	
Ethylenediaminetetraacetic acid (EDTA)	Sigma - Aldrich, Deisenhofen, Germany	E 9884	
Florene 100V/V	Abbott, Wiesbaden, Germany	B506	
Haematoxylin	Sigma - Aldrich, Deisenhofen, Germany	HHS32-1L	
O.C.T. Tissue Tek compound	Sakura, Zoeterwoude, Netherlands	4583	fixative for histological analyses
Phosphate buffered saline, PBS	Lonza, Verviers, Belgium	4629	
Sodium Chloride 0,9%	Braun, Melsungen, Germany	5/12211095/0411	
Sodium bicarbonate powder	Sigma Aldrich Deisenhofen, Germany	S5761	
Standard diet	Altromin, Lage, Germany	1320	
Tissue-Tek Cryomold	Sakura, Leiden, Netherlands	4566	
Hemocult (guaiac paper test)	Beckmann Coulter, Germany	3060	
Biotin rat-anti-mouse anti-F4/80 antibody	Serotec, Oxford, UK	MCA497B	
Biotin rat-anti-mouse anti-GR-1	BD Pharmingen, Heidelberg Germany	553125	
Streptavidin-Alexa546	Molecular Probes, Darmstadt, Germany	S-11225	excitation/emission maximum: 556/573nm
Anti-CD11b rat-anti-mouse antibody TC	Calteg, Burlingame, USA	R2b06	
Purified anti-mouse F4/80 antibody	BioLegend, London, UK	123102	
DAPI	Sigma-Aldrich, Deisenhoffen, Germany	D9542	
FITC-conjugated anti-Ly6C rat-anti-mouse antibody	BD Pharmingen, Heidelberg, Germany	553104	
FACS buffer	BD Pharmingen, Heidelberg, Germany	342003	

Cy7 NHS Ester	GE Healthcare Europe, Freiburg, Germany	PA17104	
MPO ELISA	Immundiagnostik AG, Bensheim, Germany	K 6631B	
Cy5.5 labeled anti-mouse F4/80 antibody	BioLegend, London, UK	123127	ready to use labelled Antibodies (alternative)
Anti-Mouse F4/80 Antigen PerCP-Cyanine5.5	eBioscience, Waltham, USA	45-4801-80	ready to use labelled Antibodies (alternative)
DMSO (Dimethyl sulfoxide)	Sigma-Aldrich, Deisenhoffen, Germany	67-68-5	
Isoflurane	Sigma-Aldrich, Deisenhoffen, Germany	792632	
Ethanol	Sigma-Aldrich, Deisenhoffen, Germany	64-17-5	
Bovine Serum Albumins (BSA)	Sigma-Aldrich, Deisenhoffen, Germany	A4612	
Tris Buffered Saline Solution (TBS)	Sigma-Aldrich, Deisenhoffen, Germany	SRE0032	
Name	Company	Catalog Number	Comments
Equipment			
FACS Calibur Flow Cytometry System	BD Biosciences GmbH, Heidelberg, Germany		
FMT 2000 In Vivo Imaging System	PerkinElmer Inc., Waltham, MA, USA	FMT2000	
True Quant 3.1 Imaging Analysis Software	PerkinElmer Inc., Waltham, MA, USA	included in FMT2000	
Leica DMLB Fluorescent Microscope	Leica, 35578 Wetzlar, Germany	DMLB	
Bandelin Sonopuls HD 2070	Bandelin, 12207 Berlin, Germany	HD 2070	ultrasonic homogenizer
Disposable scalpel No 10	Sigma-Aldrich, Deisenhoffen, Germany	Z692395-10EA	
Metzenbaum scissors 14cm	Ehrhardt Medizinprodukte GmbH, Geislingen, Germany	22398330	
luer lock syringe 5ml	Sigma-Aldrich, Deisenhoffen, Germany	Z248010	
syringe needles	Sigma-Aldrich, Deisenhoffen, Germany	Z192368	
Falcon Tube 50ml	BD Biosciences, Erembodegem, Belgium	352070	