

Materials List for:

Quantitative Visualization of Leukocyte Infiltrate in a Murine Model of Fulminant Myocarditis by Light Sheet Microscopy

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URL: <https://www.jove.com/video/55450>

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Materials

Name	Company	Catalog Number	Comments
diphtheria toxin	Sigma Aldrich	D0564	
phosphate buffered saline	Biochrom	L182-10	
ketamine [50 mg/mL]	Inresa	PZN 4089014	
xylazine [2 %]	Ceva		
syringe	Braun	REF 9161502	Braun Omnican F
indwelt venous catheter	Becton Dickinson	REF 381923	BD Insyte Autoguard
small animal respirator	Harvard Apparatus	73-0044	MiniVent
anit-CD45 antibody (AF647)	BioLegend	103124	
ethylenediaminetetraacetic acid (EDTA) disodium salt dihydrate	Carl Roth	8043.2	
catheter (21 G)	BD Biosciences	REF 387455	BD valu-set
paraformaldehyde	Sigma Aldrich	P6148	
PE tube (5 mL)	Carl Roth	EKY9.1	Rotilabo
ethanol	Carl Roth	9065.4	
dibenzyl ether	Sigma-Aldrich	108014	
tube rotator	Miltenyi Biotec	130-090-753	MACSmix
agarose (low gelling)	Sigma Aldrich	A4018	
mold (15 x 15 x 5 mm)	Tissue Tek	4566	Cryomold
light sheet microscope system	LaVision Biotec		Ultramicroscope
microscope body	Olympus		MVX10
objective	Olympus		0.5 NA MVPLAPO 2XC, WD 5.5 mm
sCMOS camera 5.5MP	Andor Technology		
488 nm OPSL (50mW) laser	Coherent		
647 nm diode laser (50mW)	Coherent		
3D image processing & analysis software	Bitplane		IMARIS Ver. 8.3
transgenic mouse strain	Steffen Jung et al.		CD11c.DTR
wt mouse strain	Envigo		Balb/c Ola Hsd J
Laser Module	LaVision Biotec		
MVPLAPO 2XC Objective Lens			