

Materials List for:

# Monitoring Dendritic Cell Migration using <sup>19</sup>F / <sup>1</sup>H Magnetic Resonance Imaging

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URL: <https://www.jove.com/video/50251>

DOI: [doi:10.3791/50251](https://doi.org/10.3791/50251)

## Materials

Name	Company	Catalog Number	Comments
<b>REAGENTS</b>			
C57BL/6 mice	Charles River, Berlin		
RPMI	Gibco	21875-091	
FBS Superior	Biochrom AG	S 0615	
HEPES	Gibco-Invitrogen	15630-056	
Penicillin-Streptomycin	Gibco	15140-122	
L-glutamine	Gibco	25030-024	
Dulbecco's PBS	Sigma Aldrich	D8662	
PFA	Santa Cruz	sc-281692	
Perfluoro-15-crown-5-ether	ChemPur	391-1996	
Pluronic F-68	Sigma Aldrich	P5556	
Petri dishes (35 x 10 mm)	VWR, Germany	391-1996	
27 ½ G syringes	VWR, Germany	612-0151	
Nylon cell strainers (100 µm mesh)	VWR, Germany	734-0004	
NMR tubes	VWR, Germany	634-0461	
<b>EQUIPMENT</b>			
Dissection tools	FST		
CO <sub>2</sub> incubator	Binder		
Small animal MR system	Bruker Biospin		9.4T BioSpec 94/20 USR, ParaVision Acquisition and Processing Software
<sup>1</sup> H/ <sup>19</sup> F dual-tunable volume RF coil	Rapid Biomed, Würzburg, Germany		35 mm inner diameter, 50 mm length
<sup>19</sup> F spectroscopy coil	in-house		tune/match loop coil, 4 turns, inner diameter 5 mm, 10 mm long, two capacitors for tuning and matching
Isoflurane inhalation system	Föhr Medical Instruments GmbH		
Animal monitoring system Model 1025	SA Instruments Inc., New York, USA		