

Materials List for:

Combining Intravital Fluorescent Microscopy (IVFM) with Genetic Models to Study Engraftment Dynamics of Hematopoietic Cells to Bone Marrow Niches

Lin Wang^{*1}, Malgorzata M. Kamocka^{*2}, Amy Zollman³, Nadia Carlesso³

¹Wells Center for Pediatric Research, Department of Pediatrics, Indiana University School of Medicine

²Indiana Center for Biological Microscopy, Department of Medicine, Indiana University School of Medicine

³Department of Pediatrics, Indiana University School of Medicine

*These authors contributed equally

Correspondence to: Nadia Carlesso at ncarlesso@coh.org

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Materials

Name	Company	Catalog Number	Comments
Ketamine cocktail	IU School of Medicine		Ketamine 90-100 mg/kg, Xylazine 2.5-5.0 mg/kg, Acepromazine 1.0-2.5 mg/kg
TRITC dextran	Tdb Consultancy	TD150-100mg	Other color dextran may be used.
Andis hair trimmer	Braintree Scientific	CLP-323 75	
Gauze sponge	Med Vet International	PK224	4-ply, 2 x 2
Nair depilatory cream	Commercial store		
Saline	Med Vet International	RXSAL-POD1LT	0.9% Sodium Chloride poly bottle
Insulin syringe	Fisher Scientific	14-826-79	28 g, 1/2 cc
Fine Forceps	Fine Science Tools	00108-11, 00109-11	straight forcep, angled forcep
Scissor	Fine Science Tools	15018-10	
Needle holder	Fine Science Tools	12002-14	
5-0 silk suture	Fisher Scientific	MV-682	Other non-absorbable suture may be used
WillCo- glass bottom dish	WillCo	GWSt-5040	
Optical microscope oil	Leica		
Stereotaxic stage insert	IU School of Medicine	Custom design	
Olympus FV1000 confocal microscope system	Olympus		
Olympus XLUMPLFL 20XW, NA 0.95 objective	Olympus		
Small heating pad	Commercial store		Zoo Med reptile heating pad
Imaris 8.1 imaging software	Bitplane		3/4 D Image Visualization and Analysis software