

Materials List for

In Vivo Imaging of Liver Spheroids Engrafted in the Anterior Chamber of the Mouse Eye

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Materials

Name	Company	Catalog Number	Comments
27 G butterfly needle	Venofix	4056388	
AAV8-CAG-GFP	Charles River	CV17169-AV9	Incubated with isolated hepatocytes at 1 µL/mL during liver spheroid formation
Absolute and 70% ethanol	N/A	N/A	
Absorbent pad	Attends	203903	
Albumin-Cre;RCL-tdTomato (B6.Cg-Speer6-ps1Tg(Alb-cre)21Mgn/J ; B6.Cg-Gt(ROSA)26Sortm14(CAG-tdTomato)Hze/J)	Jackson	#003574 and #007914	Mice obtained from in-house breeding
B6 albino mice (B6(Cg)-Tyrc-2J/J)	Jackson	#000058	Mice obtained from in-house breeding
B6;129P2-Gt(ROSA)26Sor ^{tm1} (CAG-Venus/GMNN,-Cherry/CDT1)JknH	INFRAFRONTIER/EMMA	EM:08395	Mice obtained from in-house breeding
BD Insyte IV Catheter 24 G x 0.75 in	BD Medical	381212	
Borosilicate standard glass capillaries	World Precision Instruments	1B150-4	
Cell lifter	Corning	3008	
Cell strainer, 70 µm	Falcon	352350	
Custom-made metal plate	Hardware store	N/A	
Dexamethasone	Sigma-Aldrich	D4902	
Dual-Stage Glass Micropipette Puller	Narshige	Model PC-100	
EDTA	Sigma-Aldrich	E9884	
Electric heating pad	Hardware store	N/A	
FBS	Gibco	N/A	
GlutaMAX	Gibco	35050061	
Green CMFDA	Abcam	ab145459	Reconstituted in DMSO, administered at 100 µg/mouse in PBS 10% FBS

Hamilton syringe	Hamilton	81242	Model 1750 Luer Tip Threaded Plunger Syringe, 500 μ L
HBSS; no calcium, no magnesium and no phenol red	Gibco	14175095	
HCX IRAPO L 25x/0.95 W objective	Leica	N/A	
HEPES	Gibco	15630080	
Induction chamber 0.8 L	Univentor	8329001	
Insulin-Transferrin-Selenium (ITS-G)	Gibco	41400045	
Isoflurane	Baxter	N/A	
Lectin DyLight-649	Invitrogen	L32472	Administered at 1 mg/mL and 100 μ L/mouse
Liberase TM Research Grade	Sigma-Aldrich	5401127001	
Microelectrode beveler	World Precision Instruments	Model BV-10	
Mouse head-holder and gas mask	Narshige	Model SGM-4	
Nunclon Sphera 96-Well, U-Shaped-Bottom Microplate	Thermo Fisher	174929	
Oculentum simplex	APL	N/A	
PBS 10x	Gibco	14080055	
PBS 1x; no calcium, no magnesium	Gibco	14190144	
Penicillin-Streptomycin	Gibco	15140122	
Percoll	Sigma-Aldrich	P1644	
Peristaltic pump	Ismatec	Model ISM795	
PharMed BPT Pump Tubing	VWR	VERN070540-07	Inner diameter 0.76 mm, outer diameter 2.46 mm
pHrodo Red-LDL	Invitrogen	L34356	Administered at 1 mg/mL and 100 μ L/mouse
Portex Fine Bore Polyethylene Tubing	Smiths Medical	800/100/140	Inner diameter 0.4 mm, outer diameter 0.8 mm
Silicone dissection mat	Hardware store	N/A	
Sodium chloride 0.9%	Braun	N/A	
Solid Universal Joint	Narshige	Model UST-2	
Stereomicroscope	Leica	Model M80	
Suspension culture dish 35 mm	Sarstedt	833900500	
Temgesic	Indivior	N/A	Administered s.c. at 0.05 mg/mL and 2 μ L/g mouse
Translucent Silicone Tubing	VWR	228-1450	Inner diameter 1.5 mm, outer diameter 3 mm
Trypan Blue	Sigma-Aldrich	T8154	
Univentor 400 Anesthesia unit	Univentor	8323001	
Upright laser scanning confocal microscope	Leica	Model TCS SP5 II	
Viscotears	Novartis	N/A	
William's E Medium; no glutamine, phenol red	Gibco	22551089	