

Materials List for:

Generation of a Liver Orthotopic Human Uveal Melanoma Xenograft Platform in Immunodeficient Mice

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Materials

Name	Company	Catalog Number	Comments
Materials, tissues and animals			
Buprenorphine			
CO ₂ tank			
Cryomedium			
Exitron nano 12000 (Alkaline earth metal-based nanoparticle contrast agent)	Miltenyl Biotec	130-095-700	
HBSS 1X, with calcium & magnesium	Corning	21-020-CM	
Human liver metastatic uveal melanoma cell line			
Human uveal melanoma tissue in the liver			All tissue handling should be done in a Biosafety Level 2 hood. Be careful when working with human tissue; always use gloves and avoid direct skin contact. Assume patients may have been infected with HIV or other highly transmissible organisms. Do not process samples known to carry infections.
Iodine			
Isoflurane	Purdue Products	67618-150-17	
Isopropanol	Fisher scientific	A416-1	Avoid direct contact to skin and eye and inhalation of anesthetic agent.
Liquid nitrogen			
Matrigel HC	BD	354248	
NOD.Cg-Prkdc ^{scid} Il2rg ^{tm1Wjl} /SzJ (NSG) mice	Jackson Lab	5557	4 to 8 weeks old
PBS 1X, without calcium and magnesium	Corning	21-031-CM	
RPMI 1640	Corning	10-013-CV	
Sterile alcohol prep pad (70% isopropyl alcohol)	Nice-Pak products	B603	
4% paraformaldehyde phosphate buffer solution	Wako	163-20145	
70% Ethyl alcohol solution	Fisher Scientific	04-355-122	
Name	Company	Catalog Number	Comments

Equipments			
Absorbable hemostat	Johnson and Johnson	63713-0019-61	
Autoclave			
Body weight measure			
Cautery	Bovie Medical	MC-23009	
Cell counter			
Centrifuzer			
Cotton swab			
Cryo freezing container	NALGENE	5100-0001	
Cryotube	SARSTEDT	72.379	
Curved scissors	World Precision Instruments	503247	
Curved ultrafine forceps	World Precision Instruments	501302	
Fabric sheet			
Freezer			
F/AIR Filter Canister	Harvard Apparatus	600979	
Heating pad			
Isoflurane vaporizer	Artisan Scientific	66317-1	
Liquid nitrogen			
Liquid nitrogen jar	Thermo Fisher Scientific	2123	
Micro-CT scan	Siemens		
Needle holder	World Precision Instruments	501246	
Petri dishes	Fisher Scientific	FB0875713	
Pipette			
Spray bottle			
Sterile hood			Biosafety level 2 cabinet
Sterile No.11 scalpel	AD Surgical	A300-11-0	
Straight forceps	World Precision Instruments	14226	
Surgical drape			
Tail vein restrainer	Braintree Scientific	TV-150-STD	
Water bath			
1 ml TB syringe with 27-gauge needle	BD	309623	
1.7 ml tube	Bioexpress	C-3260-1	
5-0 PDO Suture	AD Surgical	S-D518R13	
15 mL conical tubes	AZER SCIENTIFIC	ES-9152N	
27-gauge needle	BD	780301	
27-gauge needle	Hamilton	7803-01	
50 mL conical tubes	AZER SCIENTIFIC	ES-9502N	
50 µl micro syringe	BD	80630	
50 µl micro syringe	Hamilton	7655-01	
100 mL container	Fisher Scientific	12594997	
200µl tip			