

Materials List for

Ex Vivo Culture of Circulating Tumor Cells in the Cerebral Spinal Fluid from Melanoma Patients to Study Melanoma-Associated Leptomeningeal Disease

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jove.com/video/66071

Materials

Name	Company	Catalog Number	Comments
1 mL syringe 27 - 29 G needles	Any vendor	n/a	0.1 mm Sterile Filtered
1.5 mL Eppendorf tubes	Any vendor		
15 ml and 50 mL polystyrene centrifuge tubes	Any vendor	n/a	
6 - 8 weeks females NOD SCID gamma (NSG) mice	Charles River		Males optional
Buprenorphine Sustained-Release (Bup-SR)	Zoopharm		DEA controlled
Fetal bovine serum (FBS)	ScienCell	#0010	
Gas inhalation anestehsia system	VeteEquip	#901812	COMPAC5
Hamilton microliter syringes	Hamilton	10, 25, 50, and 100ml	30 G for cisterna magna injection
Human basic fibroblast growth factor (bFGF)	Milipore Sigma (or any vender)	#F0291	
Human epidermal growth factor (EGF)	Milipore Sigma (or any vender)	#SRP3027	
Human meningeal cells (HMCs) isolated from human leptomeninges	ScienCell	#1400	
IVIS 200 imaging system	Caliper Life Sciences	n/a	
Magnifying glass with light	Any vendor	n/a	
Meningeal Cell Culture Media (MenCM)	ScienCell	#1401	
Meningeal cell growth supplement (MCGS)	ScienCell	#1452	
MRI imaging	Bruker	BioSpec series	Optional
P1000, P200, P20 pipettes/ pipette tips			

penicillin-streptomycin Antibiotic solution	ScienCell (or any vendor)	#0503	
Phosphate buffered saline (PBS)	Any vendor	n/a	0.1 mm Sterile Filtered
Rodent Surgical Instruments (Scissors, Forceps)	Roboz Surgical Instrument (or any vendor)		
Screw cap cryo tubes			
Sterile blue paper/ drape covering	Any vendor	n/a	n/a
Sterile cotton sticks	Any vendor	n/a	
Tissue culture plates/flasks (96-well, 24-well, 12-well, 6-well, T175 etc.)			