

Materials List for:

In Vivo Model for Testing Effect of Hypoxia on Tumor Metastasis

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Materials

Name	Company	Catalog Number	Comments
SK-ES1 Human Ewing sarcoma (ES) cells	ATCC		
TC71 Human ES cells			Kindly provided from Dr. Toretsky
McCoy's 5A (modified) Medium	Gibco by Life Technologies	12330-031	
RPMI-1640	ATCC	30-2001	
PBS	Corning Cellgro	21-040-CV	
FBS	Sigma-Aldrich	F2442-500mL	
0.25% Trypsin-EDTA (1x)	Gibco by Life Technologies	25200-056	
Penicillin-Streptomycin	Gibco by Life Technologies	15140-122	
Fungizone® Antimycotic	Gibco by Life Technologies	15290-018	
MycoZap™ Prophylactic	Lonza	VZA-2032	
Collagen Type I Rat tail high concentration	BD Biosciences	354249	
SCID/beige mice	Harlan or Charles River	250 (Charles River) or 18602F (Harlan)	
1 ml Insulin syringes with permanently attached 28 G ½ needle	BD	329424	
Saline (0.9% Sodium Chloride Injection, USP)	Hospira, INC	NDC 0409-7984-37	
Digital calipers	World Precision Instruments, Inc	501601	
Surgical Tools	Fine Science Tools		
Rimadyl (Carprofen) Injectable	Zoetis		
Hypoxyprobe-1 (Pimonidazole Hydrochloride solid)	HPI, Inc	HP-100mg	
hypoxyprobe-2 (CCI-103F-250 mg)	HPI, Inc	CCI-103F-250mg	
Povidone-iodine Swabstick	PDI	S41350	
Sterile alcohol prep pad	Fisher HealthCare	22-363-750	
LubriFresh P.M. (eye lubricant ointment)	Major Pharmaceuticals	NDC 0904-5168-38	

VWR Absorbent Underpads with Waterproof Moisture Barrier	VWR	56617-014	
Oster Golden A5 Single Speed Vet Clipper with size 50 blade	Oster	078005-050-002 (clipper), 078919-006-005 (blade)	
Nair Lotion with baby oil	Church & Dwight Co., Inc.		
Silk 6-0	Surgical Specialties Corp	752B	
Prolene (polypropylene) suture 6-0	Ethicon	8680G	
Vicryl (Polyglactin 910) suture 4-0	Ethicon	J386H	
Fisherbrand Applicators (Purified cotton)	Fisher Scientific	23-400-115	
GelFoam Absorbable Dental Sponges - Size 4	Pfizer Pharmaceutical	9039605	
Autoclip Wound Clip Applier	BD	427630	
Stereo Microscope	Olympus	SZ61	
Autoclip remover	BD	427637	
Aound clip	BD	427631	
MRI 7 Tesla	Bruker Corporation		
Paravision 5.0 software	Bruker Corporation		
CO ₂ Euthanasia system	VetEquip		
25 G 5/8 Needle (for heart-puncture)	BD	305122	
0.1 ml syringe (for heart-puncture)	Terumo	SS-01T	
K ₃ -EDTA Micro tube 1.3 ml	Sarstedt	41.1395.105	
10% Neutral Buttered Formalin	Fisher Scientific	SF100-4	