

Materials List for:

A Murine Orthotopic Bladder Tumor Model and Tumor Detection System

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Materials

Name	Company	Catalog Number	Comments
MB49-PSA cells	N/A	N/A	ref (Wu QH, 2004)
RPMI 1640 media	HyClone	SH30027.01	
Dulbecco's Modified Eagle's Medium (DMEM) media	Biowest	L0102	
Fetal Bovine Serum (FBS) South American	Biowest	S1810	
Fetal Bovine Serum (FBS) South American, Premium	Biowest	S181B	
Fetal Bovine Serum (FBS)	HyClone	SH30088.03	
L-glutamine	Biowest	X0550	
Penicillin-Streptomycin	Biowest	L0022	
Hygromycin B	Invitrogen	10687-010	
free PSA (Human) ELISA kit	Abnova	KA0209	
TRIzol Reagent for RNA extraction	Ambion	15596026	
High Capacity cDNA Reverse Transcription Kit with RNase Inhibitor	Applied Biosystems	4374967	
TaqMan Universal PCR Master Mix	Applied Biosystems	4304437	
TaqMan Gene Expression Assay – Mouse Actb	Applied Biosystems	4331182	Mm00607939_s1
TaqMan Gene Expression Assay – Human KLK3	Applied Biosystems	4331182	Hs00426859_g1
C57BL/6J female mice	In Vivos		4 - 6 wk old
Anesthesia (75 mg/kg Ketamine and 1 mg/kg Medetomidine)	Local pharmacy		
Reversal drug (1 mg/kg Atipamezole)	Local pharmacy		
Ear punch	Electron Microscopy Sciences	72893-01	
Hartmann's solution or Compound sodium lactate	B Braun		
Ophthalmic ointment - Duratears sterile ocular lubricant ointment	Alcon		
Heat pack - HotHands handwarmers	Heatmax Inc		
Introcan Certo IV catheter	B Braun	4251300	24 G x 3/4"
Aquagel Lubricating jelly	Local pharmacy		
Poly-L-lysine solution, 0.01%,	Sigma	P4707	
cOmplete, Mini, EDTA-free Protease Inhibitor Cocktail	Roche	4693159001	

Quantichrom Creatinine Assay Kit	BioAssay Systems	DICT-50	
Fluorescent dye - VivoTrack 680	Perkin Elmer	NEV12000	
RNAlater-ICE Frozen Tissue Transition Solution	Ambion	4427575	
Name	Company	Catalog number	Comments
Equipment and Software			
7500 Realtime PCR System	Applied Biosystems		
7500 Software v2.3	Applied Biosystems		
Metabolic Cage	Tecniplast	Vertical type rack for 12 cages	
BD FACSCanto I system	BD Biosciences		
BD FACSDiva software v7	BD Biosciences		
IVIS SpectrumCT <i>in vivo</i> imaging system	Caliper Life Sciences		
Living Image Software v3.1	Caliper Life Sciences		
Vevo 2100 imaging system	VisualSonics		