

Materials List for

Modeling Brain Metastasis Via Tail-Vein Injection of Inflammatory Breast Cancer Cells

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Materials

Name	Company	Catalog Number	Comments
Cell Culture			
1000 µL pipette tip filtered	Genesee Scientific	23430	
10 mL Serological Pipets	Genesee Scientific	12-112	
Antibiotic-antimycotic	Thermo Fisher Scientific	15240062	1%
Centrifuge tubes 15 mL bulk	Genesee Scientific	28103	
Corning 500 mL Hams F-12 Medium [+] L-glutamine	GIBICO Inc. USA	MT10080CV	
Countess II Automated Cell Counter (Invitrogen)	Thermo Fisher Scientific	AMQAX1000	
1x DPBS	Thermo Fisher Scientific	21-031-CV	
Eppendorf centrifuge 5810R	Eppendorf		
Fetal bovine serum (FBS)	GIBICO Inc. USA	16000044	10%
Fisherbrand Sterile Cell Strainers (40 µm)	Thermo Fisher Scientific	22-363-547	
Hydrocortisone	Sigma-Aldrich	H0888	1 µg/mL
Insulin	Thermo Fisher Scientific	12585014	5 µg/mL
Invitrogen Countess Cell Counting Chamber Slides	Thermo Fisher Scientific	C10228	
MDA-IBC3 cell lines	MD Anderson Cancer Center		Generated by Dr. Woodward's lab ²⁴
Luciferase–green fluorescent protein (Luc–GFP) plasmid	System Biosciences	BLIV713PA-1	
microtubes clear sterile 1.7 mL	Genesee Scientific	24282S	
Olympus 10 µL Reach Barrier Tip, Low Binding, Racked, Sterile	Genesee Scientific	23-401C	
TC Treated Flasks (T75), 250mL, Vent	Genesee Scientific	25-209	

Trypan Blue Stain (0.4%) for use with the Countess Automated Cell Counter	Thermo Fisher Scientific	T10282	
Trypsin-EDTA (0.25%), phenol red	Thermo Fisher Scientific	25200114	
Tail vein injection			
C.B-17/lcrHsd-Prkdc scid Lyst bg-J - SCID/Beige	Envigo	SCID/beige mice	
BD Insulin Syringe with the BD Ultra-Fine Needle 0.5mL 30Gx1/2" (12.7mm)	BD	328466	
Plas Labs Broome-Style Rodent Restrainers	Plas Labs 551BSRR	01-288-32A	Order from Thermo Fisher Scientific
Volu Sol Supplier Diversity Partner Ethanol 95% SDA (190 Proof)	Thermo Fisher Scientific	50420872	70 % used
Imaging			
BD Lo-Dose U-100 Insulin Syringes	BD	329461	
Disposable PES Filter Units 0.45 µm	Fisherbrand	FB12566501	filter system to sterilize the D-luciferin
D-Luciferin	Biosynth	L8220-1g	stock concentration = 47.6 mM (15.15 mg/mL); use concentration = 1.515 mg/mL
1.7 mL microtube amber	Genesee Scientific	24-282AM	
Isoflurane	Patterson Veterinary	NDC-14043-704-06	Liquid anesthetic for use in anesthetic vaporizer
IVIS 200	PerkinElmer		machine for luciferase imaging, up to 5 mice imaging at the same time, with anesthesia machine
Plastic Containers with Lids	Fisherbrand	02-544-127	
Tissue Cassettes	Thermo Scientific	1000957	
Webcol Alcohol Prep	Covidien	6818	
Stereomicroscope Imaging			
Stereomicroscope AZ100	Nikon	model AZ-STGE	software NIS-ELEMENT
Formalin 10%	Fisher Chemical	SF100-4	
TC treated dishes 100x20 mm	Genesee Scientific	25202	