

Materials List for:

Studying Pancreatic Cancer Stem Cell Characteristics for Developing New Treatment Strategies

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Materials

Name	Company	Catalog Number	Comments
Counting Chamber/ Hemocytometer	Hausser Scientific Co	3200	
CASY Cell Counter and Analyzer for proliferation and viability measurement	Roche Innovatis	AG CASY Model TTC 45,60,150 µm	
GentleMACS Dissociator	Miltenyi Co	130-093-235	
GentleMACS C Tubes	Miltenyi Co	130-093-237	
24-well Ultra-low Attachment Plates	Corning	3474	
100-mm tissue culture dishes	BD Falcon	353803	
Cell strainer	BD Falcon	352350	
15-ml polypropylene conical tube	BD Falcon	352097	
50-ml polypropylene conical tube	BD Falcon	352070	
1.5 ml sterile tubes	Eppendorf	0030 120.086	
50 ml centrifuge tubes	Corning	430828	
Sterile petri dishes, 10 cm dishes	Corning	353003	
26 G needles	BD Falcon	300600	
100 ul Hamilton Syringe	Hamilton Syringe Co	81075	
Collagenase type IV	Stem Cell Technologies	7909	
RPMI Medium 1640	Life technologies	11875-085	
Penicillin/Streptomycin solution, 100X	Life technologies	SV30010	
Metformin	Sigma	D150959-5G	
L-glutamine, 200 mM, 100X	Life technologies	25030-081	
D-Glucose	Sigma	G8270	
100mM Sodium Pyruvate solution	Life technologies	11360-070	
Seahorse Assay medium	Seahorse Bioscience	100965-000	
BD Cell-TAK Cell and Tissue adhesive	BD Biosciences	354240	
Trypsin solution, 0.05%	Life technologies	25300054	
B27 Supplement 50x	Life technologies	17504-044	
Basic Fibroblast Growth Factor	Sigma	F0291	
Bovine Serum Albumin	Sigma	A9576	
Dulbecco's Modified Eagle Medium/F12	Sigma	D8437	

Sterile 1x Dulbecco's Phosphate Buffered Saline	Sigma	D8537	
Trypan Blue	Life technologies	15250-061	
Carboxy-DCFDA(5-(and-6)-Carboxy-2',7'-DichlorofluoresceinDiacetate)	Life technologies	C-369	
Rotenone	Sigma	R8875	
Ethanol 70% (vol/vol)	Sigma	459844	
Isoflurane	IsoVet, Braun	571105.8	
Matrigel	BD Biosciences	35620	
Sterile Cotton tipped applicator	Puritan medical		
XF96 [®] FluxPak with cell plates, calibrant and cartridges	Seahorse Bioscience	102416-100	
XF96 [®] Extracellular Flux analyzer	Seahorse Bioscience		
Incubator with CO ₂ input			
Micro scissors			
Curved forceps			
Splinter forceps			
Caliper			