

Materials List for

Creating Matched In vivo/In vitro Patient-Derived Model Pairs of PDX and PDX-Derived Organoids for Cancer Pharmacology Research

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Materials

Name	Company	Catalog Number	Comments
Advanced DMEM/F12	Life Technologies	12634028	Base medium
DMEM	Hyclone	SH30243.01	Washing medium
Collagenase type II	Invitrogen	17101015	Digest tumor
Matrigel	Corning	356231	Organoid culture matrix (Basement Membrane Extract, growth factor reduced)
N-Ac	Sigma	A9165	Organoid culture medium
A83-01	Tocris	2939	Organoid culture medium
B27	Life Technologies	17504044	Organoid culture medium
EGF	Peprtech	AF-100-15	Organoid culture medium
Noggin	Peprtech	120-10C	Organoid culture medium
Nicotinamide	Sigma	N0636	Organoid culture medium
SB202190	Sigma	S7076	Organoid culture medium
Gastrin	Sigma	G9145	Organoid culture medium
Rspondin	Peprtech	120-38-1000	Organoid culture medium
L-glutamine	Life Technologies	35050038	Organoid culture medium
Hepes	Life Technologies	15630056	Organoid culture medium
penicillin-streptomycin	Life Technologies	15140122	Organoid culture medium
Y-27632	Abmole	M1817	Organoid culture medium
Dispase	Life Technologies	17105041	Screening assay
CellTiter-Glo 3D	Promega	G9683	Screening assay (luminescent ATP indicator)
Multidrop dispenser	Thermo Fisher	Multidrop combi	Plating organoids/CellTiter-Glo 3D addition
Digital dispenser	Tecan	D300e	Compound addition
Envision Plate reader	Perkin Elmer	2104	Luminescence reading
Balb/c nude mice	Beijing HFK Bio-Technology Co		
RNAeasy Mini kit	Qiagen	74104	tRNA purification kit
DNAeasy Blood & Tissue Kit	Qiagen	69506	DNA purification kit
Histogel	Thermo Fisher	HG-4000-012	Organoid embedding