

Materials List for:

Quantification of Proliferative and Dead Cells in Enteroids

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Materials

Name	Company	Catalog Number	Comments
15 ml centrifuge tube	Corning	430791	
22 G gavage needle	VWR	20068-608	
24-well plate	Nunc	142475	
40 mm sterile cell strainer	BD	352340	
50 ml centrifuge tube	Corning	430829	
70 mm sterile cell strainer	BD	352350	
Advanced DMEM/F-12	GIBCO	12634010	
Attune NxT Acoustic Focusing Cytometer	Invitrogen	A24863	
B-27 Supplement	GIBCO	17504044	
Buffer 1			2 mM EDTA in DPBS
Buffer 2			54.9 mM D-sorbitol, 43.4 mM sucrose in DPBS
C57/B6 mice	Nanjing Biomedical Research Institute of Nanjing University		
Cell-dissociation enzymes (TrypLE)	Life technologies	12605-010	
Centrifuge	Eppendorf	5424	
Centrifuge	Eppendorf	5424R	
Centrifuge	Eppendorf	5810R	
Click-iT Plus EdU Alexa Fluor 594 Imaging Kit	Life technologies	C10639	
CO2 incubator	Panasonic	MCO-18AC	
DPBS	GIBCO	14190144	
D-sorbitol	BBI	SB0491	
EDTA	BBI	EB0185	
ENR media			Minigut media, 50 ng/ml EGF, 100 ng/ml Noggin, 500 ng/ml R-spondin
Fetal Bovine Serum (FBS)	Gibco	10270-106	
Fine Iris Scissors	Tansoole	2037454	
Fluorescence microscope	Olympus	FV1000	
GlutaMAX Supplement	GIBCO	35050-061	
Goat Serum	Life technologies	16210-064	
HDMEM	Hyclone	SH30243.01B	

HEPES	Sigma	H4034	
Matrigel	Corning	356231	
Minigut media			Advanced DMEM/F12, 2 mM Glutamax, Penn/Strep (100 units/ml), 10 mM Hepes, N2 supplement (1:100), B27 supplement (1:50)
N2 supplement	R&D	AR009	
Nonionic surfactant (Triton X)	BBI	TB0198-500ML	
Operating Scissor (12.5 cm)	Tansoole	2025785	
Paraformaldehyde (PFA)	sigma	158127-500g	
Penn/Strep	Invitrogen	15140-148	
Phase contrast microscope	Nikon	TS1000	
Propidium iodide	Sigma	P4170-25MG	
Recombinant EGF	PeptoTech	315-09	
Recombinant Mouse Noggin	PeptoTech	250-38	
Recombinant Mouse R-Spondin 1	R&D	3474-RS-050	
Recombinant Murine IL-22	PeptoTech	210-22-10	
Sucrose	BBI	SB0498	
Tissue Forceps	Tansoole	2026704	
Y-27632 2HC1	Selleck	S1049	