

Materials List for:

High-sensitivity Detection of Micrometastases Generated by GFP Lentivirus-transduced Organoids Cultured from a Patient-derived Colon Tumor

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Materials

Name	Company	Catalog Number	Comments
NOD/Shi-scid IL2R γ null (NOG) mice	The Central Institute for Experimental Animals, Kanagawa, Japan		Breed 6-week-old male mice under germ-free and specific pathogen-free conditions
wound clips 2x10mm	Natsume manufacturing, Japan	#C-21-S	Autoclave before use
Hamilton syringe needle size:22 gauge	Tokyo Science, Japan		Disinfect with 70% alcohol and sterile PBS.
6-well plate	BMBio	#92006	
12-well plate	BMBio	#92412	
15ml conical tube	Sumitomo Bakelite	MS-57150	
50ml conical tube	Sumitomo Bakelite	MS-57500	
microtube	Eppendorf	#0030120086	Autoclave before use
Hemocytometer	Erma	#03-202-1	
40 μ m cell strainer	Corning	#352340	
Matrigel basement membrane matrix	Corning	#354234	Store aliqupts at -20°C. Place on ice until use
Collagenase type 1	Sigma	#C1030	150 mg/ml collagenase type1 in 1xPBS. Store aliqupts at -20°C for up to 1 year
Accutase	Innovate Cell Technologies	#5V2623A	Store at 4°C.
DMEM/F-12 with GlutaMAX™	Gibco	#10565018	Store at 4°C. Warm at 37°C before use
Cell banker 1plus	ZENOAQ	#628	Store at 4°C. Use within 1 month
Penicillin	Gibco	#15140122	Store at 4°C. Use within 1 month
Streptomycin	Gibco	#15140122	Store at 4°C. Use within 1 month
hEGF	PEPROTECH	#AF-100-15	Store at -20°C. Add to medium on same day as use
Y27632, a ROCK inhibitor	Wako	#253-00591	Store at -20°C. Add to medium on same day as use
Culture medium	Gibco		DMEM/F-12 with GlutaMAX™ supplement supplemented with 5% FBS, 100 U/ml penicillin and 100 μ g/ml streptomycin. Store at 4°C. Use within 1 month.

CRC organoid culture medium with 1% or 5% FCS			DMEM/F-12 with GlutaMAX™ supplement (Gibco #10565018) supplemented with 1% or 5% FCS, 100 U/ml penicillin, 100 µg/ml streptomycin, 2 ng/ml hEGF and 10 µM Y27632, a ROCK inhibitor. Store at 4°C. Use within 1 month.
the FuGENE 6 transfection reagent	Roche	11814 443001	
Minisart 0.45 µm filter	Sartorius stedim	17598-K	
5 ml polypropylene centrifuge tubes	Beckman Coulter	326819	
PRRL-GFP vector	Gift from Dr. Robert A. Weinberg		
pCMV-VSV-G	Gift from Dr. Robert A. Weinberg		
pCMV-dR8.2 dvpr	Gift from Dr. Robert A. Weinberg		
the SW55Ti swinging bucket rotor	Beckman Coulter		
a Zeiss Axioplan 2 stereo-fluorescence microscope	Zeiss		