

# Portal Vein Injection of Colorectal Cancer Organoids to Study the Liver Metastasis Stroma

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## Citation

Kobayashi, H., Gieniec, K.A., Ng, J.Q., Goyne, J., Lannagan, T.R.M., Thomas, E.M., Radford, G., Wang, T., Suzuki, N., Ichinose, M., Wright, J.A., Vrbanac, L., Burt, A.D., Takahashi, M., Enomoto, A., Worthley, D.L., Woods, S.L. Portal Vein Injection of Colorectal Cancer Organoids to Study the Liver Metastasis Stroma. *J. Vis. Exp.* (175), e62630, doi:10.3791/62630 (2021).

## Date Published

September 3, 2021

## DOI

10.3791/62630

## URL

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## Materials

Name	Company	Catalog Number	Comments
10% Formalin	Sigma	HT501128	
15 mL centrifuge tube	Corning	430791	
33-gauge needle	TSK	LDS-33013	For portal vein injection
4-0 vicryl suture	ETHICON	J494G	
40-µm cell strainer	Corning	431750	
5 mL Syringe	BD	302130	Used to apply saline to the intestine after portal vein injection
50 mL centrifuge tube	Corning	430829	
50 mL syringe	TERUMO	SS*50LE	Luer lock syringe for perfusion fixation
70% Isopropyl alcohol wipe	Briemar	5730	
Anaesthesia machine	Darvall	9356	
αSMA antibody	DAKO	M0851	Clone 1A4. 1/500 dilution for immunohistochemistry
Buprenorphine	TROY	N/A	ilium Temvet Injection, 300 µg/ml Buprenorphine
Cotton buds	Johnson & Johnson	N/A	Johnson's pure cotton bud applicators. Need to be autoclaved before use.
D-luciferin	Biosynth	L-8220	
Electric shaver			Sold by multiple suppliers
Forceps			Sold by multiple suppliers

Hamilton syringe	HAMILTON	81020	For portal vein injection
Heat box (animal warming chamber)	Datesand	MK3	
Heat lamp			Sold by multiple suppliers
Hemostatic sponge	Pfizer	09-0891-04-015	Gelfoam absorbable gelatin sponge, USP, 12-7 mm
India ink	Talens	44727000	
Injection syringe and needle	BD	326769	For tail vein injection
<i>Is/r</i> probe (RNAscope)	ACD	450041	
Isoflurane	Henry Schein	988-3244	
IVIS Spectrum In Vivo Imaging System	Perkin Elmer	124262	
Living Image Software	Perkin Elmer	128113	
Matrigel	Corning	356231	
MRI fibrosis tool	N/A	N/A	<a href="https://github.com/MontpellierRessourcesImagerie/imagej_macros_and_scripts/wiki/MRI_Fibrosis_Tool">https://github.com/MontpellierRessourcesImagerie/imagej_macros_and_scripts/wiki/MRI_Fibrosis_Tool</a>
Phosphate-buffered saline (PBS)	Sigma	D8537	
RNAscope kit	ACD	322300	
Rodent restrainer			Sold by multiple suppliers
Rosa26-Cas9 mouse	The Jackson Laboratory	024858	
Saline	Pfizer	PHA19042010	
Scissors			Sold by multiple suppliers
Skin staplers	Able Scientific	AS59028	9 mm wound clips
Stapler applicator	Able Scientific	AS59026	9 mm wound clip applicator
Stapler remover	Able Scientific	AS59037	Wound clip remover
Surgical drape	Multigate	29-220	
Surgical gauze	Sentry Medical	GS001	
Topical anesthesia cream	EMLA	N/A	EMLA 5% cream, 25 mg/g lignocaine and 25 mg/g prilocaine
TrypLE Express	Gibco	12605028	Recombinant cell-dissociation enzyme mix
Y-27632	Tocris	1254	