

Materials List for:

Colorectal Cancer Cell Surface Protein Profiling Using an Antibody Microarray and Fluorescence Multiplexing

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URL: <https://www.jove.com/video/3322>

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Materials

Name	Company	Catalog Number	Comments
Hanks' balanced salt solution	Sigma-Aldrich	H6136-10X1L	Buffered with 25 mM Hepes (Sigma #H3375)
Airpure biological safety cabinet class II	Westinghouse	1687-2340/612	
Surgical blades	Livingstone	090609	Pack of 100
RPMI 1640 with 2 mM Hepes	Sigma-Aldrich	R4130-10X1L	
Collagenase type 4	Worthington Biochemical	4188	
Deoxyribonuclease 1	Sigma-Aldrich	DN25-1G	
Terumo Syringe (10 mL)	Terumo Medical Corp.	SS+10L	Box of 100
Filcon filter (200 µm)	BD Biosciences	340615	
Filcon filter (50 µm)	Filcon filter (50 µm)	Filcon filter (50 µm) Filcon filter (50 µm) 340603	
Fetal calf serum	GIBCO, by Life Technologies	10099-141	
Centrifuge 5810 R	Eppendorf	7017	
Dimethyl sulphoxide	Sigma-Aldrich	D2650	
Trypan blue	Sigma-Aldrich	T8154	
Hemocytometer Technocolor Neubauer	Hirschmann	not available	
Light microscope	Nikon Instruments	Nikon TMS	
Cyrovial tubes	Greiner Bio-One	121278	
Cryo freezing contrainer	Nalge Nunc international	5100-0001	
DotScan antibody microarray kit	Medsaic	not available	
DotScan microarray wash tray	Medsaic	not available	
KimWipes	Kimberly-Clark Corporation	4103	
Formaldehyde 37%	Sigma-Aldrich	F1635-500ML	
DotReaderTM	Medsaic	not available	
Bovine serum albumin	Sigma-Aldrich	A9418-10G	
Heat-inactivated AB serum 2%	Invitrogen	34005100	
Phyc-rhythrin-conjugated CD3	Beckman Coulter Inc.	ET386	
AlexaFluor647-conjugated EpCAM	BioLegend	324212	
Typhoon FLA 9000	GE Healthcare	28-9558-08	532 nm laser, 580 BP30 emission filter for PE. 633 nm laser and 670 BP30 emission filter for Alexa647
MultiExperiment Viewer v4.4	TM4 Microarray Software Suite	Open – source software (Ref 11)	