

Materials List for

Spatial Profiling of Protein and RNA Expression in Tissue: An Approach to Fine-tune Virtual Microdissection

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July 6, 2022	10.3791/62651	jove.com/video/62651		

Materials

Name	Company	Catalog Number	Comments
10x Tris buffered saline (TBS)	Cell Signaling Technologies	12498S	Diluted to 1x TBS in DEPC treated water
Antibody X (not disclosed)			antibody blinded due to confidentiality
DEPC-treated water	ThermoFisher	AM9922	Another can be used
DISCOVERY Cell Conditioning (CC1)	Ventana	950-500	
DISCOVERY Cy5 Kit	Ventana	760-238	Referred as Cy5
DISCOVERY FAM Kit	Ventana	760-243	Referred as FAM
DISCOVERY Goat Ig Block	Ventana	760-6008	Referred as Gt Ig Block
DISCOVERY OmniMap anti-Ms HRP	Ventana	760-4310	Referred as OMap anti-Ms HRP
DISCOVERY OmniMap anti-Rb HRP	Ventana	760-4311	Referred as OMap anti-Rb HRP
DISCOVERY Rhodamine 6G Kit	Ventana	760-244	Referred as Rhodamine 6G
DISCOVERY ULTRA Automated Slide Preparation System	Ventana	05 987 750 001 / N750-DISU-FS	Referred as autostainer on the manuscript
FAP [EPR20021] Antibody	Abcam	Ab207178	
GeoMx Digital Spatial Profiler	NanoString	GMX-DSP-1Y	Referred as spatial profiling platform on the manuscript
Humidity chamber	Simport	M920-2	Another can be used
Pan-Cytokeratin [AE1/AE3] Antibody	Abcam	Ab27988	
ProLong Gold Antifade Mountant	ThermoFisher	P36934	
Python	Python		Statistical analysis
Reaction Buffer (10x)	Ventana	950-300	
Statistical analysis software	GraphPad	Prism 7	Statistical analysis
SYTO 64	ThermoFisher	S11346	
ULTRA Cell Conditioning (ULTRA CC2)	Ventana	950-223	
Ventana Antibody Diluent with Casein	Ventana	760-219	Referred as specified diluent on the manuscript



Ventana Primary antibody dispenser	Ventana	Catalog number depends on
		dispenser number