

Materials List for:

# Optimization, Design and Avoiding Pitfalls in Manual Multiplex Fluorescent Immunohistochemistry

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## Materials

Name	Company	Catalog Number	Comments
100% ethanol	Fisher	HC8001GAL	
70% ethanol	Fisher	HC10001GL	
95% ethanol	Fisher	HC11001GL	
Analysis software	Akoya Biosciences	CLS135783	inForm version 2.3.0
Antifade mountant	ThermoFisher	P36961	ProLong Diamond
Blocking solution	Vector	SP-6000	Bloxall
Bovine Serum Albumin (BSA)	Sigma Life Sciences	A9647-100G	
Cover Slips	Fisher	12-548-5E	
Delicate task wipe	Kimberly-Clark	34120	
Fluorescent diluent	Akoya Biosciences	ARD1A01EA	Opal TSA diluent
Fluorophore 520	Akoya Biosciences	FP1487001KT	1:100
Fluorophore 540	Akoya Biosciences	FP1494001KT	1:100
Fluorophore 570	Akoya Biosciences	FP1488001KT	1:100
Fluorophore 620	Akoya Biosciences	FP1495001KT	1:100
Fluorophore 650	Akoya Biosciences	FP1496001KT	1:100
Fluorophore 690	Akoya Biosciences	FP1497001KT	1:100
Fluorophore DAPI	Akoya Biosciences	FP1490	3 drops in TBST or PBS
Heat resistant box	Tissue-Tek	25608-904	Plastic slide box-green
Humidified Chamber	Ibi Scientific	AT-12	
Hybridization oven	FisherBiotech		
Hydrophobic barrier pen	Vector	H-4000	ImmEdge
Microscope	Perkin Elmer	CLS140089	Mantra quantitative pathology workstation
Microwave	Panasonic	NN-A661S	with inverter technology
Neutral buffered formalin	Fisher Scientific	SF100-4	10% neutral buffered formalin
pH 6 antigen retrieval buffer	Akoya Biosciences	AR600	AR6
pH 9 antigen retrieval buffer	Akoya Biosciences	AR900	AR9
Phosphate buffered saline	Fisher	BP3994	PBS
Plastic slide box	Tissue-Tek	25608-906	
Plastic wrap	Fisher	NC9070936	
Polysorbate 20	Fisher	BP337-800	Tween 20
Primary antibody CD163	Lecia	NCL-LCD163	1:400

Primary antibody CD3	Dako	A0452	1:400
Primary antibody CD8	Spring Bio	M5390	1:400
Primary antibody FOXP3	Dako	M3515	1:400
Primary antibody pancytokeratin	Cell Signaling	12653	1:500
Primary antibody PD-L1	Cell Signaling	13684	1:200
Secondary antibody	Akoya Biosciences	ARH1001EA	Opal polymer
Slide stain set	Electron Microscopy Sciences	6254001	
Tris buffered saline	Corning	46-012-CM	TBS
Vertical slide rack	Electron Microscopy Sciences	50-294-72	
Xylene	Fisher	X3P1GAL	