Materials List for:

Quantitation of Protein Expression and Co-localization Using Multiplexed Immuno-histochemical Staining and Multispectral Imaging

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Materials

Name	Company	Catalog Number	Comments
Xylene	Fisher Chemical	X3F1GAL	NFPA rating: Health – 2, Fire – 3 , Reactivity – 0
Ethyl Alcohol-200 proof	Fisher Scientific	4355223	NFPA rating: Health – 0, Fire – 3 , Reactivity – 0
Tris Base	Fisher Scientific	BP152-500	NFPA rating: Health – 2, Fire – 0 , Reactivity – 0
Tris Hydroxymethyl aminomethane HCl	Fisher Scientific	BP153-1	NFPA rating: Health – 2, Fire – 0 , Reactivity – 0
Tween 20	Chem-Impex	1512	NFPA rating: Health – 0, Fire – 1 , Reactivity – 0
Phosphate-buffered saline	Fisher Scientific	BP2944-100	NFPA rating: Health – 1, Fire – 0 , Reactivity – 0
Peroxidazed	Biocare Medical	PX968	Avoid contact with skin and eyes. May cause skin irritation and eye damage.
Estrogen Receptor alpha	Thermo Fisher Scientific-Labvision	RM9101	Not classified as hazardous
Androgen Receptor	SCBT	sc-816	Not classified as hazardous
CD147	Biodesign	P87535M	Not classified as hazardous
E-cadherin	Dako	M3612	Not classified as hazardous
Renoir Red Andibody Diluent	Biocare Medical	PD904	It is specially designed to work with Tris-based antibodies
DeCloaking Chamber	Biocare Medical	Model DC2002	Take normal precautions for using a pressure cooker
Barrier pen-Immuno Edge	Vector Labs	H-4000	
Denaturing Kit-Elution step	Biocare Medical	DNS001H	Not classified as hazardous
Mach 2 Goat anti-Rabbit HRP Polymer	Biocare Medical	RHRP520	Not classified as hazardous
Mach 2 Goat anti-Rabbit AP Polymer	Biocare Medical	RALP525	Not classified as hazardous
Mach 2 Goat anti-Mouse HRP Polymer	Biocare Medical	M3M530	Not classified as hazardous
Betazoid DAB Chromogen Kit	Biocare Medical	BDB2004	1. DAB is known to be a suspected carcinogen. 2. Do not expose DAB components to strong light or direct sunlight. 3. Wear appropriate personal protective equipment and clothing.

			4. DAB may cause sensitization of skin. Avoid contact with skin and eyes. 5. Observe all federal, state and local environmental regarding disposal
Warp Red Chromogen Kit	Biocare Medical	WR806	Corrosive. Acid that may cause skin irritation or eye damage.
Vina Green Chromogen Kit	Biocare Medical	BRR807	Harmful if swallowed
Bajoran Purple Chromogen Kit	Biocare Medical	BJP807	Flammable liquid. Keep away from heat, flames and sparks. Harmful by ingestion or absorption. Avoid contact with skin or eyes, and avoid inhalation.
Cat Hematoxylin	Biocare Medical	CATHE	Purple solution with a mild acetic acid (vinegar) scent. May be irritating to skin or eyes. Avoid contact with skin and eyes. Avoid ingestion.
XYL Mounting Media	Richard Allen	8312-4	NFPA rating: Health – 2, Fire – 3 , Reactivity – 0
1.5 Coverslips	Fisher Brand	22266858	Sharp edges
Incubation (Humidity)Chamber	obsolete	obsolete	Multiple vendors available
Convection Oven	Stabil- Therm	C-4008-Q	
Background Punisher Blocking Reagent	Biocare Medical	BP974	This product is not classified as hazardous.
inForm software	PerkinElmer	CLS135781	Primary multispectral imaging software used in manuscript
Nuance software	PerkinElmer	Nuance EX	Software used for making spectral libraries within manuscript
Vectra microscope and slide scanner	PerkinElmer	VECTRA	Automated slide scanner and microscope for obtaining IM3 image cubes