

Materials List for:

Isolation and Staining of Mouse Skin Keratinocytes for Cell Cycle Specific Analysis of Cellular Protein Expression by Mass Cytometry

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Materials

Name	Company	Catalog Number	Comments
12-well plate	Cell Treat	229512	
Intercalator solution	Fluidigm	201192A	125 µM - Ir intercalator solution
Paraformaldehyde	Electron Microscopy Sciences	30525-89-4	16 % PFA
Strainer cap flow tubes	Fisher/Corning	352235	35 µm pore size
Cell sieve	Fisher	22363547	40 µm pore size
Cell detachment solution	CELLnTEC	CnT-ACCUTASE-100	Accutase
Iodine Solution	ThermoFisher/Purdue	67618-151-17	Betadine 7.5%-iodine surgical scrub
Barcode permeabilization buffer	Fluidigm	201060	Cell-ID 20-Plex Pd Barcoding Kit
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pH strips	EMD	9590	colorpHast
DMEM	Hyclone	SH30022.01	Dulbecco's Modified Eagle Media
Fine forceps	Dumont & Fils	0109-5-PO	Dumostar #5
Curved precision forceps	Dumont & Fils	0109-7-PO	Dumostar #7
Calibration Beads	Fluidigm	201078	EQ Four Element Calibration Beads
HBSS	Gibco	14175-095	Hank's Balanced Salt Solution
Water	Fisher	SH30538.03	Hyclone Molecular Biology grade water
Iododeoxyuridine	Sigma	I7125	IdU
Cryo vials	ThermoFisher	366656PK	internal thread
Cell Staining buffer	Fluidigm	201068	Maxpar Cell Staining buffer
Fix & Perm buffer	Fluidigm	201067	Maxpar Fix & Perm buffer
Fix I buffer	Fluidigm	201065	Maxpar Fix I buffer
Phosphate buffered saline	Rockland	MB-008	Metal free 10x PBS
isopropanol-freezing container	ThermoFisher	5100-0001	Mr.Frosty
Sodium hydroxide	Fisher	BP359-500	NaOH
Petri dish	Kord-Valmark	2900	Supplied by Genesee 32-107
15 mL conical	Olympus/Genesee	28-101	
50 mL conical	Olympus/Genesee	28-106	
6-well plate	Cell Treat	229506	
Cisplatin	Sigma	479306	
Dispase II	Sigma/Roche	4942078001	
DMSO	Sigma	D2650	
FBS	Atlanta Biologicals	S11150	

Hydrochloric acid	Fisher	A144-212	
Nuclear Antigen Staining permeabilization buffer	Fluidigm	201063	
Nuclear Antigen Staining buffer	Fluidigm	201063	
Trypan blue	Sigma	T8154	
Tuberculin syringe	BD	309626	
Type IV Collagenase	Worthington Bioscience	CLSS-4	