

Materials List for:

Measuring and Modeling Contractile Drying in Human Stratum Corneum

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Materials

Name	Company	Catalog Number	Comments
Silicone elastomer base	Dow-Corning	1064291	
Silicone elastomer Curing Agent	Dow-Corning	1015311	
FluoSpheres Carboxylate 0.1 µm yellow green fluorescent 505/515	Thermo Fisher	F8803	
FluoSpheres Carboxylate 1 µm yellow green fluorescent 505/515	Thermo Fisher	F8823	
FluoSpheres Carboxylate 1 µm Nile red fluorescent 535/575	Thermo Fisher	F8819	
Trypsin from porcine pancreas	Sigma-Aldrich	T6567	
Trypsin inhibitor type II-s	Sigma-Aldrich	T9128	
(3-aminopropyl)triethoxysilane	Sigma-Aldrich	440140	
Sodium tetraborate	Sigma-Aldrich	221732	
Boric acid	Sigma-Aldrich	B0294	
Phosphate buffered saline	Sigma-Aldrich	P7059	
N-(3-Dimethylaminopropyl)-N-ethylcarbodiimide hydrochloride	Sigma-Aldrich	E7750	
Vortexer mixer	VWR	58816-123	
6 mm diameter hole punch	Sigma-Aldrich	Z708860	
SOLA 6-LCR-SB	Lummencor light engine	No.3526	
Cfi Plan Achromatic 1X Objective	Nikon Plan UW	MRL00012	
CFI Plan Fluor 40X Oil Objective 1.3 na - 0.20 mm wd	Nikon Plan Fluor	MRH01401	
Nikon Eclipse Ti-U inverted microscope	Nikon	MEA53200	
Clara-E Camera	Andor	DR-328G-C02-SIL	
Remote Focus Attachment E-RFA Ergo Design	Nikon	99888	
Ti-S-E Motorized Stage	Nikon	MEC56110	