

Building Up Skin Models for Numerous Applications - from Two-Dimensional (2D) Monoculture to Three-Dimensional (3D) Multiculture

Adrianna Maria Piasek^{*1}, Iryna Levkovich^{*1}, Paulina Musolf¹, Hanna Chmielewska¹, Aneta Ścieżyńska², Anna Sobiepanek¹

¹Chair of Drug and Cosmetics Biotechnology, Faculty of Chemistry, Warsaw University of Technology ²Department of Histology and Embryology, Medical University of Warsaw

* These authors contributed equally

Corresponding Author

Anna Sobiepanek
anna.sobiepanek@pw.edu.pl

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Materials

Name	Company	Catalog Number	Comments
24-well plate for adherent cell culture	Biologix Europe GmbH	07-6024	-
35%–38% HCL	Chempur	115752837	-
60 mm cell culture Petri dish	Nest	705001	-
Avidin–Sulforhodamine 101	Sigma Aldrich	A2348-5MG	-
Bright-field inverted microscope	Olympus	CKX41	-
Calcium chloride	Avantor	874870116	-
Cell culture flask T75 for adherent cells	Genoplast	G77080033	-
Centrifuge tube 15 mL	GoogLab Scientific	G66010522	-
CO2 Incubator	Heal Force	Galaxy 170R	-
Col1A2 antibody produced in rabbit	Novus	NBP2-92790	-
Corning(R) Transwell(R) Polycarbonate	Corning	CLS3422-48EA	-
Cytokeratin 14 antibody produced in mouse	Novus	NBP1-79069	-
DPX Mountant for histology	Sigma Aldrich	06522-100ML	-
Dulbecco's Modified Eagle Medium (DMEM)	VWR Chemicals	L0102-500	-
Eosine Y	Kolchem	-	0.5 % aquatic solution
Eppendorf tube 1.5 mL	Sarstedt	72.690.001	-
Eppendorf tube 2 mL	Sarstedt	72.691	-
Ethyl alcohol absolute 99.8%	Avantor	396480111	diluted in ultrapure water to the needed concentrations
Fetal bovine serum	Gibco	10270106	-
Fluorescent inverted microscope	Olympus	IX71	-

Goat anti-mouse secondary antibody conjugated with FITC	Sigma Aldrich	F0257-1mL	
Goat anti-rabbit secondary antibody conjugated with FITC	Novus	NB7159	-
Harris Hematoxylin	Kolchem	-	1 mg/mL in 95% ethanol
Hoechst 33342	ThermoFisher	H3570	-
Laminar chamber	Heal Force	HFSafe-1200	-
Melan-A antibody produced in mouse	Santa Cruz Biotechnology	sc-20032	-
Microtome	Microm	HM355S	-
NaOH	Avantor	810981997	-
Paraffin pastilles	Sigma Aldrich	1.07164	-
Paraformaldehyde	Sigma Aldrich	1581227	-
Penicillin/Streptomycin solution	Sigma Aldrich	P4333	-
Pipette tip, 1000 µL	Sarstedt	70.305	-
Pipette tip, 20 µL	Sarstedt	70.3021	-
Pipette tip, 200 µL	Sarstedt	70.303	-
Pluronic F-127	BASF	50401036	-
Serological pipette 10 mL	GoogLab Scientific	G33270011	-
Serological pipette 25 mL	GoogLab Scientific	G33280011	-
Serological pipette 5 mL	GoogLab Scientific	G33260011	-
Sodium bicarbonate	Sigma Aldrich	S5761	-
Sodium bicarbonate	Chempur	118105307	
Trypsin-EDTA 0.25% solution, phenol red	Sigma Aldrich	25200072	-
Type 1 collagen	IBIDI	50201	-
U-bottom 96-well plate	Sarstedt	83.3925500	-
Xylene	Sigma Aldrich	534056	-