

Materials List for:

Isolation and Culture of Adult Epithelial Stem Cells from Human Skin

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URL: <https://www.jove.com/video/2561>

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Materials

Name	Company	Catalog Number	Comments
DMEM	GIBCO, by Life Technologies	11995	
Hams F12	GIBCO, by Life Technologies	11765	
Fetal Bovine Serum (FBS)	GIBCO, by Life Technologies	16000	
Insulin	GIBCO, by Life Technologies	12585	
T3	Sigma-Aldrich	T-2752	
Transferrin	Roche Group	10652202001	
Hydrocortisone	Sigma-Aldrich	H-4001	
Cholera Toxin	Sigma-Aldrich	C8052	
Epidermal growth factor (EGF)	Sigma-Aldrich	E-9644	
Adenine	Sigma-Aldrich	A9795	
Trypsin(10X)	GIBCO, by Life Technologies	15090	
VERSENE	GIBCO, by Life Technologies	15040	
G418 Sulfate	Cellgro	30-234-CR	
Hanks' Balanced Salt solution	Sigma-Aldrich	H6648	
1X PBS	Cellgro	21-040-CV	
Mitomycin C	Roche Group	10107409001	
Penicillin/streptomycin	Invitrogen	15140122	
Dispase	Invitrogen	17105	
Crystal Violet	Fisher Scientific	C581-25	

Keratinocyte media (KCM)

[DMEM and Ham s F12 (GIBCO, 3:1), adenine (Sigma, 180 mM), 10% fetal bovine serum (GIBCO), cholera toxin (ICN, 0.1 nM), penicillin/streptomycin (GIBCO, 100 U/ml and 100 mg/ml, respectively), hydrocortisone (Sigma, 0.4 mg/ml, 1.1 mM), T/T3 (transferrin, GIBCO, 5 µg/ml, 649 nM; and triiodo-L-thyronine, Sigma, 2 nM), insulin (Sigma, 5 mg/ml, 862 nM), and EGF (Sigma, 10 ng/ml, 1.6 nM), pH 7.2]

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