

Materials List for:

Naïve Adult Stem Cells Isolation from Primary Human Fibroblast Cultures

Vera Wenzel¹, Daniela Roedl¹, Johannes Ring², Karima Djabali¹

¹Department of Dermatology and Institute for Medical Engineering, Technische Universität München

²Department of Dermatology and Allergology, Technische Universität München

Correspondence to: Karima Djabali at djabali@tum.de

URL: <https://www.jove.com/video/50185>

DOI: [doi:10.3791/50185](https://doi.org/10.3791/50185)

Materials

Name	Company	Catalog Number	Comments
DMEM high glucose	Invitrogen	31966-047	
DMEM low glucose	Invitrogen	21885-108	
fetal bovine serum	Invitrogen	10270-106	
L-glutamine	Invitrogen	25030-024	Final conc.: 200 mM
Penicillin/ Streptomycin	Invitrogen	15140-122	Final conc.: 10 mg/ml /10 mg /ml
trypsin solution (0.25%)	Invitrogen	25200-056	
F-12 Nutrient Mixture (Ham)	Invitrogen	21765-029	
FGF2	BD Biosciences	4114-TC-01M	Final conc.: 40 ng/ml
EGF	BD Biosciences	236-EG-200	Final conc.: 20 ng/ml
PDGFBB	Invitrogen	PHG0043	Final conc.: 5 ng/ml
TGF-b1	Invitrogen	PHG9204	Final conc.: 2.5 ng/ml
25 cm ² flask	Omnilab	FALC353109	
PBS w/o CaMg	Invitrogen	14190-169	
B27	Invitrogen	17504-044	
Methanol	Roth	8388.2	
Vectashield mounting medium	Vector Inc.	H-1200	
RNeasy Minikit	Qiagen, Valencia, CA	74104	
Omniscript Reverse Transcriptase	Qiagen	205113	
SsoFast EvaGreen Supermix	BioRad	172-5201	
Fungizone	Invitrogen	15290-018	Final conc.:1 mg/ml

Table 2. Specific reagents and equipment.