Materials List for:

Isolation of Adult Human Dermal Fibroblasts from Abdominal Skin and Generation of Induced Pluripotent Stem Cells Using a Non-Integrating Method

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Materials

Name	Company	Catalog Number	Comments
10 mL serological pipet	Falcon	357551	Sterile, polystyrene
100 mm plates	Falcon	351029	Treated, sterile cell culture dish
15 mL sterile tubes	Falcon	352097	Centrifuge sterile tubes, polypropylene
24-well plates	Falcon	353935	Clear, flat bottom, treated multiwell cell culture plate, with lid, sterile
25 mL serological pipet	Falcon	357525	Sterile, polystyrene
35 mm plates	Falcon	353001	Treated, sterile cell culture dish
5 mL serological pipet	Falcon	357543	Sterile, polystyrene
50 mL sterile tubes	Falcon	352098	Centrifuge sterile tubes, polypropylene
Advanced DMEM (Dulbecco's Modified Eagle Medium)	Gibco	12491-015	Store at 2-8 °C; avoid exposure to light
DMEM (Dulbecco's Modified Eagle Medium)	Sigma- Aldrich	D6429-500ml	Store at 2-8 °C; avoid exposure to light
Fetal Bovine Serum	Sigma- Aldrich	F9665-500ml	Store at -20 °C. The serum should be aliquoted into smaller working volumes to avoid repeated freeze/ thaw cycles
Hank's Balanced Salt Solution	Sigma- Aldrich	H1387-1L	Powder
L-glutamine	Lonza	BE17-605E	Store at -20 °C. It should be aliquoted into smaller working volumes to avoid repeated freeze/ thaw cycles
Lipofectamine RNAiMAX Transfection Reagent	INVITROGEN	13778-030	Synthetic siRNA Transfection Reagent; store at 2-8 °C
Matrigel	CORNING	354234	Basement Membrane Matrix, store at -20 °C. Avoid multiple freezethaws.
Neubauer Chamber	VWR	631-1116	Hemocytometer
NutriStem XF Culture Medium	Biological Industries	05-100-1A-500ml	Xeno-free, serum-free, low growth factor human ESC/iPSC culture medium. Store at -20 °C. Upon thawing, the medium may be stored at 2-8 °C for 14 days. Media should be aliquoted into smaller working volumes to avoid repeated freeze/thaw cycles.
Opti-MEM	Gibco	31985-062-100ml	Reduced-Serum Medium; store at 2-8 °C; avoid exposure to light

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Penicillin and Streptomycin	Sigma- Aldrich	P4333-100ml	Store at -20 °C. The solution should be aliquoted into smaller working volumes to avoid repeated freeze/thaw cycles
Potassium Chloride	Sigma- Aldrich	P9333	Powder
Potassium Phosphate Monobasic	Sigma- Aldrich	P5665	Powder
RNase-free 0.5 mL tubes	Eppendorf	H0030124537	RNase-free sterile, microfuge tubes, polypropylene
RNase-free 1.5 mL tubes	Eppendorf	H0030120086	RNase-free sterile, microfuge tubes, polypropylene
RNaseZAP	INVITROGEN	AM9780	Cleaning agent for removing RNase
Sodium Bicarbonate	Sigma- Aldrich	S5761	Powder
Sodium Chloride	Sigma- Aldrich	S7653	Powder
Sodium Phosphate Dibasic	Sigma- Aldrich	94046	Powder
StemRNA 3rd Gen Reprogramming Kit	Reprocell	00-0076	Third Generation NM-RNAs-based Reprogramming Kit for Cellular Reprogramming of Fibroblasts, Blood, and Urine. Store at or below -70 °C.
Trypsin-EDTA	Sigma- Aldrich	T4049-100ml	Store at -20 °C. It should be aliquoted into smaller working volumes to avoid repeated freeze/ thaw cycles