

Materials List for

Transient Treatment of Human Pluripotent Stem Cells with DMSO to Promote Differentiation

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Materials

Name	Company	Catalog Number	Comments
2-mercaptoethanol	Gibco	21985023	
6-well Clear Flat Bottom TC-treated Multiwell Cell Culture Plate	Corning	353046	
9-Position stir plate	Chemglass	CLS-4100	
Accutase	Gibco	11105-01	
Activin A	R&D Systems	338-AC	
Advanced RPMI	Gibco	12633012	
Alk5i II	Axxora	ALX-270-445	
All-trans retinoic acid	Sigma-Aldrich	R2625	
anti-Brachyury	R&D Systems	AF2085	No variability observed across different lot numbers
anti-C-peptide	Developmental Studies Hybridoma Bank	GN-ID4	No variability observed across different lot numbers
anti-FoxA2	Millipore	07-633	No variability observed across different lot numbers
anti-Nkx2.2	University of Iowa, Developmental Hybridoma Bank	74.5A5	No variability observed across different lot numbers
anti-Nkx6.1	University of Iowa, Developmental Hybridoma Bank;	F55A12-supernatant	No variability observed across different lot numbers
anti-Olig2	EMD Millipore	MABN50	No variability observed across different lot numbers
anti-Pax-6	Biolegend	901301	No variability observed across different lot numbers
anti-Pdx1	R&D Systems	AF2419	No variability observed across different lot numbers
anti-SOX1	R&D Systems	AF3369	No variability observed across different lot numbers
anti-SOX17	R&D Systems	AF1924	No variability observed across different lot numbers
B-27 Supplement, minus Vitamin A	Gibco	12587010	
Basic fibroblast growth factor	Gibco	PHG0264	
Betacellulin	Thermo Fisher Scientific	50932345	
Chir99021	Stemgent	04-000-10	
CMRL 1066	Corning	99-603-CV	
Countess II FL Automated Cell Counter	Thermo Fisher Scientific	AMQAF1000	
D-(+)-Glucose	Sigma	G7528	

DAPI	Invitrogen	D1306	
Disposable Spinner Flasks	Corning, VWR	89089-814	
DMEM/F-12	Gibco	11320033	
DMSO	Sigma-Aldrich	D2650	
Essential 6 Media	Gibco	A1516501	
FAF-BSA	Proliant	68700	
FGF7	PeproTech	100-19	
Geltrex	Gibco	A1413202	
GlutaMAX	Gibco	35050061	
Heparin	Sigma	H3149	
Human Ultrasensitive Insulin ELISA	ALPCO Diagnostics	80-INSHUU-E01.1	
ITS-X	Invitrogen	51500056	
KGF	Peptidech	AF-100-19	
Knockout DMEM	Gibco	10829018	
KnockOut Serum Replacement	Gibco	10828028	
L-3,3',5-Triiodothyronine (T3)	EMD Millipore	642245	
LDN193189	Stemgent	04-0074	
Matrigel Matrix	Corning	354277	
MCDB-131	Cellgro	15-100-CV	
MEM NEAA	Gibco	11140050	
mTeSR 1	StemCell Technologies	5850	
N2 Supplement	Life Technologies	17502048	
NaHCO ₃	Sigma	S3817	
Noggin Fc Chimera Protein	R&D Systems	3344-NG-050	
PdBU	EMD Millipore	524390	
Penicillin/Streptomycin	Mediatech	30-002-CI	
RPMI	Gibco	11875-093	
Sant1	Sigma-Aldrich	S4572	
SB431542	Stemgent	04-0010	
Smoothened Agonist, SAG	EMD Millipore	566660	
StemPro Accutase	Gibco	A1110501	
TrypLE	Gibco	12604013	
Ultra-Low Attachment Microplates	Corning	3471	
Vitamin C	Sigma-Aldrich	A4544	
Wnt3a	R&D Systems	5036-WN	
XAV 939	Tocris	3748	
XXI	EMD Millipore	565790	
Y-27632	StemCell Technologies	72302	