

Materials List for:

Culturing and Manipulation of O9-1 Neural Crest Cells

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Materials

Name	Company	Catalog Number	Comments
Active STO feeder cells	ATCC	ATCC CRL-1503	Also available in mitomycin C-inactivated form, catalog # ATCC 56-X
O9-1 mouse cranial neural crest cell line	Millipore Sigma	SCC049	
DMEM, high glucose, no glutamine	Gibco	11960-044	
DMEM, high glucose	Hyclone	SH30243.01	
FBS (fetal bovine serum)	Millipore Sigma	ES-009-B	
Penicillin - streptomycin	Gibco	15140-122	
L-glutamine 200 mM (100x)	Gibco	25030-081	
Gelatin from porcine skin	Sigma	G1890	
Trypsin-EDTA 0.25% in HBSS	Genesee Scientific	25-510	
DPBS (Dulbecco's phosphate buffered saline) without calcium or magnesium	Lonza	17-512F	
MEM non-essential amino acids (MEM NEAA) 100Xx	Gibco	11140-050	
Sodium pyruvate (100 mM)	Gibco	11360-070	
2-Mercaptoethanol	Sigma	M-7522	
ESGRO leukemia inhibitory factor (LIF) 10 ⁶ unit/mL	Millipore Sigma	ESG1106	
Recombinant human fibroblast growth factor-basic (rhFGF-basic)	R&D Systems	233-FB-025	
Mitomycin C	Roche	10107409001	
Matrigel matrix	Corning	356234	
DMSO (dimethylsulfoxide)	Millipore Sigma	MX1458-6	
Lipofectamine RNAiMAX	Thermo Fisher Scientific	13778-075	
Opti-MEM I (1x)	Gibco	31985-070	
Minimum essential medium, alpha 1x with Earle's salts, ribonucleosides, deoxyribonucleosides, & L-glutamine	Corning	10-022-CV	
ON-TARGETplus Wwtr1 siRNA	Dharmacon	L-041057	
ON-TARGETplus Non-targeting Pool	Dharmacon	D-001810	
ON-TARGETplus Yap1 siRNA	Dharmacon	L-046247	
FCS (fetal calf serum)			

ITS (insulin-transferrin-selenium)			
TGF- β 3			
Ascorbic acid			
BMP2 (bone morphogenetic protein 2)			
Dexamethasone			
B-27 supplement			