

Materials List for:

Neurogenesis Using P19 Embryonal Carcinoma Cells

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Materials

Name	Company	Catalog Number	Comments
6x DNA Loading Dye	EURx	E0260-01	
Agarose	Sigma- Aldrich	A9539	
cDNA synthesis kit	EURx	E0801-02	
DAPI (4',6-Diamidine-2'-phenylindole dihydrochloride)	Sigma- Aldrich	10236276001	Working concentration: 1 µg/mL
DMEM high glucose (4.5 g/L) with L-glutamine	Lonza	BE12-604Q	
Ethanol 99.8%	Chempur	CHEM*613964202	
Fetal Bovine Serum (FBS)	EURx	E5050-03	
MAP2 antibody	Thermo Fisher Scientific	PA517646	Dilution 1:100
PCR reaction kit	EURx	E0411-03	
Penicillin/Streptomycin 10K/10K	Lonza	DE17-602E	
Phosphate Buffered Saline (PBS), 1x concentrated without Ca ²⁺ , Mg ²⁺	Lonza	BE17- 517Q	
Retinoic acid	Sigma- Aldrich	R2625-50MG	dissolved in 99.8% ethanol; store in -20 °C up to 6 months
Secondary Antibody (Alexa Fluor 488)	Thermo Fisher Scientific	A11034	Dilution 1:500
Skim milk	Sigma- Aldrich	1153630500	
TBE Buffer	Thermo Fisher Scientific	B52	
Triton-X 100	Sigma- Aldrich	T8787-100ML	
Trypsin 0.25% - EDTA in HBSS, without Ca ²⁺ , Mg ²⁺ , with Phenol Red	biosera	LM-T1720/500	
Cell Culture Plastics			
1 mL Serological Pipettes	Profilab	515.01	
10 mL Serological Pipettes	Profilab	515.10	
100 mm dish dedicated for suspension culture	Corning	C351029	
15 mL centrifuge tubes	Sigma- Aldrich	CLS430791-500EA	
5 mL Serological Pipettes	Profilab	515.05	
6-well plate	Corning	CLS3516	

Cell culture flasks, surface area 25 cm ²	Sigma- Aldrich	CLS430639-200EA	
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