

Materials List for:

Isolation and Culture of Mouse Cortical Astrocytes

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Materials

Name	Company	Catalog Number	Comments
Astrocyte culture media			
DMEM, high glucose	Life Technologies	31966-021	
FBS, heat-inactivated	Life Technologies	10082-147	Final Concentration: 10%
Penicillin-Streptomycin	Life Technologies	15140-122	Final Concentration: 1%
Solution for brain tissue digestion			
HBSS	Life Technologies	14170-088	
2.5% Trypsin	Life Technologies	15090-046	Final Concentration: 0.25%
Other			
70% (vol/vol) ethanol	Roth	9065.2	
Poly-D-Lysine	Millipore	A-003-E	50 µg/ml
Water	PAA	S15-012	cell culture grade
PBS	PAA	H15-002	cell culture grade
0.05% Trypsin-EDTA	Life Technologies	25300-062	
0.45 µm Sterile filter	Sartorius	16555	
3.5 cm petri dish	BD Falcon	353001	
15 ml Falcon tube	BD Falcon	352096	
50 ml Falcon tube	BD Falcon	352070	
75 cm ² Tissue culture flask	BD Falcon	353136	
Forceps, fine	Dumont	2-1032; 2-1033	# 3c; # 5
Forceps, flat tip	KLS Martin	12-120-11	
13 cm surgical scissors	Aesculap	BC-140-R	
Stereomicroscope	Leica		MZ7.5
Stereomicroscope + Camera	Leica		MZ16F; DFC320
Microscope + Camera	Zeiss; Canon		Primo Vert; PowerShot A650 IS
Centrifuge	Eppendorf	5805000.017	Centrifuge5804R
Orbital Shaker	Thermo Scientific	SHKE 4450-1CE	MaxQ 4450
Water bath	Julabo		SW20; 37 °C