

# Adipose-Derived Mesenchymal Stromal Cells Co-Cultured with Primary Mixed Glia to Reduce Prion-Induced Inflammation

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jove.com/video/65565

## Materials

Name	Company	Catalog Number	Comments
0.25% Trypsin	Cytiva	SH30042.01	
5 mL serological pipets	Celltreat	229005B	
6-well tissue culture plates	Celltreat	229106	
10 cm cell culture dishes	Peak Serum	PS-4002	
10 ml serological pipets	Celltreat	229210	
15 mL conical tubes	Celltreat	667015B	
50 mL conical tubes	Celltreat	667050B	
BV2 microglia cell line	AcceGen Biotech	ABC-TC212S	
Cell lifter	Biologix Research Company	70-2180	
Crystal violet	Electron Microscopy Sciences	12785	
Dispase	Thermo Scientific	17105041	
DMEM/F12	Caisson Labs	DFL14-500ML	
DNase-I	Sigma Aldrich	11284932001	
Essential amino acids	Thermo Scientific	11130051	
Ethanol (100%)	EMD Millipore	EX0276-1	
Fetal bovine serum (heat inactivated)	Peak Serum	PS-FB4	Can be purchased as heat inactivated or inactivated in the laboratory
Formaldehyde	EMD Millipore	1.04003.1000	
Glass 10 mL serological pipet	Corning	7077-10N	
Hank's Balances Salt Solution	Sigma Aldrich	H8264-500ML	
Hemocytometer/Neubauer Chamber	Daigger	HU-3100	
High Glucose DMEM	Cytiva	SH30022.01	
low glucose DMEM containing L-glutamine	Cytiva	SH30021.01	

MEM/EBSS	Cytiva	SH30024.FS	
non-essential amino acids	Sigma-Aldrich	M7145-100M	
Paraformaldehyde (16%)	MP Biomedicals	219998320	
Penicillin/streptomycin/neomycin	Sigma-Aldrich	P4083-100ML	
Phosphate buffered saline	Cytiva	SH30256.01	
Recombinant Mouse IFN-gamma Protein	R&D Systems	485-MI	
Recombinant Mouse TNF-alpha (aa 80-235) Protein, CF	R&D Systems	410-MT	
RNeasy mini kit	Qiagen	74104	
Sigmacote	Sigma Aldrich	SL2-100ML	Coat inside of glass pipets by aspirating up and down twice in Sigmacote and allowing to dry thoroughly. Wrap in aluminum foil and autoclave pipets 24 h later.
Stemxyme	Worthington Biochemical Corporation	LS004106	Collagenase/Dispase mixture
Sterile, individually wrapped cotton swab	Puritan Medical	25-8061WC	
Thincert Tissue Culture Inserts, 24 well, Pore Size=8 µm	Greiner Bio-One	662638	
Thincert Tissue Culture Inserts, 6 well, Pore Size=0.4 µm	Greiner Bio-One	657641	