

Materials List for:

Preparation of Primary Mixed Glial Cultures from Adult Mouse Spinal Cord Tissue

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Materials

Name	Company	Catalog Number	Comments
Dulbecco's modification of Eagle's media (DMEM) with 4.5 g/L glucose	Lonza	12-709F	The cDMEM media is a standard, widely used culture media. Individual researchers can decide where to purchase the DMEM and all other components used to make cDMEM media.
L-Glutamine (100x)	Lonza	17-605E	The L-glutamine is a standard, widely used component for various culture media. Individual researchers can decide where to purchase L-glutamine.
Antibiotic-Antimycotic Solution (100x)	Corning-Mediatech	30-004-CI	This is a combination of penicillin, streptomycin and Amphotericin formulated to contain 10,000 units/mL penicillin G, 10 mg/mL streptomycin sulfate and 25 µg/mL amphotericin B. Individual researchers can decide where to purchase individual components.
2-mercaptoethanol (2-ME)	Sigma-Aldrich	M3148	A BioReagent, suitable for cell culture, molecular biology and electrophoresis.
Papain dissociation system	Worthington Biochemical Corporation	LK003150	Individual components of this kit can be purchased separately.
Percoll	GE Health Care	17-0891-01	Percoll is sold as sterile solution. Undiluted Percoll can be reautoclaved if needed.
Lab-line incubator/shaker	Barstead/Lab-line	MaxQ4000	This is the incubator/shaker we have currently. Other types of shakers can be used instead.
Lipopolysaccharides, Salmonella Minnesota Re595	Sigma-Aldrich	L-9764	Other strains of LPS can also induce glial responses. The magnitude of the responses though, may vary.
Mouse IL-6 DuoSet ELISA	R&D Systems	DY406	Each individual Researcher can select the ELISA kit he or she prefers.
Mouse TNF-alpha DuoSet ELISA	R&D Systems	DY410	Each individual Researcher can select the ELISA kit he or she prefers.
Mouse IP-10 (CXCL10) DuoSet ELISA	R&D Systems	DY466	Each individual Researcher can select the ELISA kit he or she prefers.

Mouse MCP-1 (CCL2) ELISA Opteia set	BD Biosciences	555260	Each individual Researcher can select the ELISA kit he or she prefers.
Mouse chemokine Q-Plex	Quansys Biosciences	120251MS	This product was not available for in-house assay at the time. Instead, we sent out samples to the manufacturer for analysis.
APC-anti-mouse-CD45 (clone 30-F11)	eBioscience	17-0451	Antibody of the same clone but from other vendors can be used.
FITC-anti-mouse-CD11b (clone M1/70)	eBioscience	11-0112	Antibody of the same clone but from other vendors can be used.
Accuri C6 flow cytometer	BD Biosciences	BD Accuri C6	Each individual Researcher can use any flow cytometer he or she prefers.
FlowJo software	Tree Star, Inc.	FlowJo7.6.5	Each individual Researcher can use any analysis software he or she prefers.