

Materials List for:

Concomitant Isolation of Primary Astrocytes and Microglia for Protozoa Parasite Infection

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Materials

Name	Company	Catalog Number	Comments
70% Ethanol	Dinâmica Química Contemporânea	Cat: 2231	Sterilize
75 cm ² Flask	Corning	Cat: 430720U	Plastic material
96 well cell culture plate	Greiner Cellstar	Cat: 655090	Cell culture
Ammonium Chloride (NH ₄ Cl)	Dinâmica Química Contemporânea	Cat: C10337.01.AH	Remove autofluorescence
Anti-GFAP antibody	Abcam	Cat.: ab49874	Immunofluorescence antibody
Bottle Top Filter 0.22 μm CA	Corning	Cat: 430513	Culture medium filter
Bovine Serum Albumin (BSA)	Sigma Aldrich	Cat: A7906	FACS Buffer preparation
CD11b (FITC)	BD Pharmigen	Cat.: 553310	Flow cytometry antibody
CD45 (PE)	Invitrogen	Cat.: 12-0451-83	Flow cytometry antibody
Centrifuge	Eppendorf	Cat: 5810R	Centrifugation
Centrifuge	Eppendorf	5415R	Centrifugation
Class II biosafety cabinet	Pachane	Cat: 200	Biosafety cabinet for sterile procedures
CO ₂ Incubator	ThermoScientific	Model: 3110	Primary cells maintenance
Conical tubes 15 mL	Corning	Cat: 430766	Plastic material
Conical tubes 50 mL	Corning	Cat: 352070	Plastic material
Countess automated cell counter	Invitrogen	Cat: C10281	Cell counter
DAPI	Invitrogen	Cat.: D1306	Immunofluorescence antibody
Digital Microscope Camera	Nikon	Cat: DS-R11	Capture images on microscope
Dulbecco's Modified Eagle Medium (DMEM)	Gibco	Cat: 12800-058	Cell culture medium
Ethylenediaminetetraacetic acid (EDTA)	Sigma Aldrich	Cat: E9884	FACS Buffer preparation
F12 Nutrient Mixture	Gibco	Cat: 21700-026	Cell culture medium
FACS Canto II	BD Biosciences	Unavailable	Flow cytometer
Fetal Bovine Serum (FBS)	LGC Biotechnology	Cat: 10-bio500-1	Cell culture medium supplement
Flow Jo (software)	Flow Jo	Version: Flow Jo_9.9.4	Data analysis
Fluorescence intenselight	Nikon	Cat: C-HGFI	Fluorescence source
GFAP (APC)	Invitrogen	Cat.: 50-9892-82	Flow cytometry antibody
Goat - anti-mouse IgG (FITC)	Kirkegood&Perry Lab (KPL)	Cat.: 172-1806	Immunofluorescence antibody
HBSS - Hank's Balanced Salt Solution	Gibco	Cat: 14175079	Cell culture medium

HEPES	Sigma Aldrich	Cat: H4034	Cell culture medium supplement
IC Fixation Buffer	Invitrogen	Cat: 00-8222-49	Cell fixation for Flow Citometry
Inverted microscope	Nikon	Model: ECLIPSE TS100	Microscope
Isoflurane	Cristália	Cat: 21.2665	Inhaled anesthetic
Methanol	Synth	Cat: 01A1085.01.BJ	Fixation for Immunofluorescence
Micro spatula	ABC stainless	Unavaiable	Surgical material
Microtube 1.5 mL	Axygen	Cat: MCT-150-C	Plastic material
Monoclonal antibody (mAb) 2C2 anti-Ssp-4	Non commercial	Non commercial	Immunofluorescence antidoby
Multichannel Pipette (p200)	Corning	Cat: 751630124	Pipette reagents
NIS Elements Software	Nikon	Version 4.0	Acquire and analyse images
Non-fat milk	Nestlé	Cat: 9442405	Blocking solution for immunofluorescence
Orbital Shaker Incubator	ThermoScientific	Model: 481 Cat: 11	Dissociate microglia from astrocytes
Paraformaldehyde (PFA)	Sigma Aldrich	Cat: P6148	Fixation for Immunofluorescence
PBS	Non commercial	Non commercial	Neutral Buffer
Penicillin G	Sigma Aldrich	Cat: P-7794	Cell culture medium supplement
Permeabilization Buffer (10x)	Invitrogen	Cat: 00-8333-56	Cell permeabilization for Flow Citometry
Petri dish 60 mm x 15 mm (Disposable, sterile)	Prolab	Cat: 0303-8	Plastic material
pH meter	Kasvi	K39-1014B	Calibrate pH solution
RPMI 1640 Medium	Gibco	Cat: 31800-014	Cell culture medium
Scissors	ABC stainless	Cat: LO9-W4	Surgical material
Serological pipette 10 mL	Corning	Cat: 4101	Plastic material
Serological pipette 5 mL	Corning	Cat: 4051	Plastic material
Single Channel Pipette (p1000)	Gilson Pipetman	Cat: F123602	Pipette reagents
Single Channel Pipette (p200)	Gilson Pipetman	Cat: F123601	Pipette reagents
Sodium bicarbonate	Sigma Aldrich	Cat: S6297	Cell culture medium supplement
Streptomycin sulfate salt	Sigma Aldrich	Cat: S9137	Cell culture medium supplement
Triton X-100	Sigma Aldrich	Cat: T9284	Permeabilization for immunofluorescence
Trypsin	Gibco	Cat: 27250-018	Digestive enzyme
Tweezers	ABC stainless	Cat: L28-P4-172	Surgical material
Water Bath	Novatecnica	Model: 09020095	Digeste tissue at 37 °C with trypsin