

Materials List for:

# Isolation of Enteric Glial Cells from the Submucosa and Lamina Propria of the Adult Mouse

Zhen Wang<sup>1,4</sup>, Ramon Ocadiz-Ruiz<sup>1</sup>, Sinju Sundaresan<sup>1</sup>, Lin Ding<sup>1</sup>, Michael Hayes<sup>1</sup>, Nirakar Sahoo<sup>3</sup>, Haoxing Xu<sup>1,2</sup>, Juanita L. Merchant<sup>1,2,5</sup>

<sup>1</sup>Department of Internal Medicine-Gastroenterology, University of Michigan

<sup>2</sup>Department of Molecular and Integrative Physiology, University of Michigan

<sup>3</sup>Department of Molecular, Cellular and Developmental Biology, University of Michigan

<sup>4</sup>Department of Gastrointestinal Surgery, The First Affiliated Hospital of Guangxi Medical University

<sup>5</sup>Division of Gastroenterology, University of Arizona College of Medicine

Correspondence to: Juanita L. Merchant at [jmerchant@deptofmed.arizona.edu](mailto:jmerchant@deptofmed.arizona.edu)

URL: <https://www.jove.com/video/57629>

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## Materials

Name	Company	Catalog Number	Comments
Poly-D lysine (1 mg/mL stock)	Sigma	A-003-E	Dilute 1:10
Laminin (0.5 mg/mL stock)	Sigma	L4544	Dilute to 10 µg/mL on ICE
EDTA (0.5 M)	Lonza	51201	Dilute 1:100 in DPBS
HEPES (1 M)	Corning	36216004	Dilute 1:100 in DPBS
Cell Recovery Solution	Corning	354253	
Dulbecco's Phosphate Buffered Saline (DPBS)	HyClone	SH30028.02	
DMEM/F-12	Thermo Fisher Scientific	11320033	
Penicillin-Streptomycin (100x)	Life Technologies	15140-122	
Gentamicin (50 mg/mL stock)	Life Technologies	15750060	
GDNF (10 µg stock)	Sigma	SRP3200	
L-Glutamine (200 mM stock)	Life Technologies	25030-081	
Chicken anti-GFAP	Thermo Fisher Scientific	PA1-10004	
Goat anti-α-Smooth Muscle Actin	Abcam	ab112022	
Mouse anti-Pgp9.5	Novus Biologicals	NB600-1160	
Goat anti-E-cadherin	R&D Systems	AF748	
Rabbit S100	Abcam	ab34686	
Mouse p75 NTR	Millipore	MAB5592	
Alexa Fluor 488 Goat Anti-Chicken IgY	Invitrogen	A-11039	
Alexa Fluor 488 Donkey Anti-Goat IgG	Invitrogen	A-11055	
Alexa Fluor 568 Goat Anti-Mouse IgG	Invitrogen	A-11004	
Alexa Fluor 594 Donkey Anti-Rabbit IgG	Invitrogen	R-37119	
Prolong Gold antifade Reagent with DAPI	Thermo Fisher Scientific	P36931	
Fungizone (Amphotericin B) 250 µg/mL	Life Technologies	15290-018	
L-Fura-2-AM	Invitrogen	F-14201	
CCK peptide	Anaspec, Fremont, CA	AS-20741	
Gastrin peptide (Gastrin-17)	Abbotec, Bloomington, IN	350188	

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Nylon Mesh Cell Strainer (100 $\mu$ m)	Fisher Scientific	22363549	
Nylon Mesh Cell Strainer (40 $\mu$ m)	Fisher Scientific	22363547	
Disposable Serologic Pipet 5 mL	Fisher Scientific	13-678-11D	
0.25% Trypsin-EDTA (1x)	Life Technologies	25200-056	