

Materials List for:

# Stripe Assay to Study the Attractive or Repulsive Activity of a Protein Substrate Using Dissociated Hippocampal Neurons

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URL: <https://www.jove.com/video/54096>

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## Materials

Name	Company	Catalog Number	Comments
15 ml centrifuge tube	Violamo	1-3500-01	
4% Paraformaldehyde (PFA)	Nacalai	01954-85	
Alexa Fluor 488 Goat anti-human IgG antibody	Thermo Scientific	A11013	
Alexa Fluor 594 Donkey anti-mouse IgG antibody	Thermo Scientific	A-21203	Dilution 1/500
Anti-Tau1 antibody	Chemicon	MAB3420	Dilution 1/200
Antifade	Thermo Scientific	P7481	Alternative mounting media may be used
B27 supplement	Thermo Scientific	17504-044	Dilution 1/50
Bovine serum albumin	Sigma	01-2030-2	
Cell strainer 100 um	BD Falcon	352360	
Centrifugation machine	Kubota	2410	
Cover glass 18mmx18mm	Matsunami	18x18 mm No. 1	
DAKO pen	DAKO	S2002	Alternative water-repellent pen may be used
Disposable scalpel	Feather	2975#11	
FBS	Thermo Scientific	10437-028	
Fluorecent microscope	Nikon	E600	
Forceps No. 5	Fine Science Tools	11254-20	
GlutaMAX	Thermo Scientific	35050-061	Dilution 1/100
Hamilton Syringe	Hamilton	805N	22 gauge, 50 uL
HBSS	Thermo Scientific	14170-112	
Human IgG, Fc Fragment	Jackson	009-000-008	
Laminin	Thermo Scientific	23017-015	
Neurobasal	Thermo Scientific	21103-049	
Normal Donkey Serum	Jackson	017-000-121	
PBS	Nacalai	14249-24	
Penicillin-Streptomycin	Thermo Scientific	15070-063	Dilution 1/100
Plastic culture dish, 60 mm	Thermo Scientific	150288	
Silicone Matrices			Available and purchasable from Prof. Martin Bastmeyer ( <a href="mailto:bastmeyer@kit.edu">bastmeyer@kit.edu</a> )
Stereo Microscope	Olympus	SZ61	
Tip, 1000 uL	Watson	125-1000S	

Transparent sticky tape	Tesa	57315	Alternative sticky tape may be used
Triton X-100	Sigma	T8787	
Trypan blue, 0.4%	Bio-Rad	145-0013	
Trypsin/EDTA	Thermo Scientific	25300-054	
Culture medium			Neurobasal supplemented with B27, GlutaMAX and Penicillin-Streptomycin.