

Materials List for:

A Primary Neuron Culture System for the Study of Herpes Simplex Virus Latency and Reactivation

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URL: <https://www.jove.com/video/3823>

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Materials

Name	Company	Catalog Number	Comments
70µm nylon filter(cell strainer)	BD Biosciences	352350	
1x Hank's Balanced Salt Solution (HBSS _{-/-})	Invitrogen	14175	w/o CaCl ₂ and MgCl ₂
1x Minimum Essential Media (MEM)	Invitrogen	11095-080	
5-Fluoro-2'-deoxyuridine	Sigma-Aldrich	F0503	prepare 20 mM stock in 1x MEM; store at -20°C
96-well flat well bottom TC plates	Corning	3599	
Acyclovir	Calbiochem	114798	prepare 31 mM stock in DMSO; store at -20°C
Aphidicolin	Calbiochem	178273	prepare 10 mM stock in DMSO; store at -20°C
B-27 Supplement	Invitrogen	17504-44	
Collagenase	Sigma-Aldrich	C2674	prepare 10 mg/ml stock in HBSS _{-/-} ; store at -20°C
D-(+)-Glucose	Sigma-Aldrich	G6152	prepare 40% stock in H ₂ O; filter sterilize & store at 4°C
L-Glutamine	Invitrogen	25030-081	
Laminin	Sigma-Aldrich	L2020	prepare 1 mg/ml stock in H ₂ O; quick-freeze 20 µl aliquats & store at -80°C; dilute to 2 µg/ml working conc. in sterile H ₂ O
Leibovitz L-15 media	Invitrogen	11415	
Nerve Growth Factor	Harlan Laboratories	BT.5017	prepare 50 µg/ml stock in HBSS _{-/-} ; store at -80°C
Neurobasal medium	Invitrogen	12348	
Phosphonoacetic acid (PAA)	Sigma-Aldrich	P6909	prepare 75 mg/ml stock in H ₂ O; store at -20°C
Poly-D-lysine hydrobromide	Sigma-Aldrich	P0899	prepare 20 mg/ml stock in H ₂ O; store at -20°C
Rat-tail collagen	EMD Millipore	08-115	Concentration varies with supply lot; store at 4°C and dilute to 0.66 mg/ml working conc. in sterile H ₂ O

Trichostatin A	Sigma-Aldrich	T8552	prepare 1 mM stock in DMSO; store at -20°C
Trypsin 2.5%	Invitrogen	15090-04	