

Materials List for:

## Method for Measurement of Viral Fusion Kinetics at the Single Particle Level

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URL: <https://www.jove.com/video/1484>

DOI: [doi:10.3791/1484](https://doi.org/10.3791/1484)

### Materials

Name	Company	Catalog Number	Comments
Corning cover glass squares, 25 mm	Sigma-Aldrich	CLS286525	
Fused silica slides	Technical Glass		
Staining rack	Thomas Scientific	8542E40	
(3-glycidoxypropyl)trimethoxysilane	Gelest Inc.	SIG5840.1	
Dextran T-500	Pharmacosmos	5510 0500 4006	
1,2-dioleoyl- <i>sn</i> -glycero-3-phosphocholine (DOPC)	Avanti Polar Lipid, Inc	850375	
1-palmitoyl-2oleoyl- <i>sn</i> -glycero-3-phosphocholine (POPC)	Avanti Polar Lipid, Inc	850457	
Cholesterol	Avanti Polar Lipid, Inc	700000	
<i>N</i> -((6-(biotinoyl)amino)hexanoyl)-1,2-dihexadecanoyl- <i>sn</i> -glycero-3-phospho- <i>l</i> -thanolamine, triethylammonium salt (biotin-X DHPE)	Invitrogen	B1616	
Streptavidin, fluorescein conjugate	Invitrogen	S-869	
Disialoganglioside GD <sub>1a</sub> from bovine brain	Sigma-Aldrich	G2392	
Mini Extruder	Avanti Polar Lipid, Inc	610000	
0.1 micron polycarbonate membrane filters	Whatman, GE Healthcare	800309	
10 mm drain discs (membrane supports)	Whatman, GE Healthcare	230300	
Sulforhodamine b sodium salt		S1402	
Octadecyl rhodamine 110 (Rh110C18)			See Floyd <i>et al.</i> 2008 for synthesis protocol
PD-10 desalting columns	GE Healthcare	17-0851-01	
Nikon fluorescence microscope	Nikon Instruments	TE2000-U	
Plan Apo TIRF 60x 1.45 NA objective	Nikon Instruments		
Innova 70C Spectrum Ar/Kr laser	Coherent Inc.		
Syringe Pump	Harvard Apparatus	702213	