

Materials List for:

Estimating Virus Production Rates in Aquatic Systems

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Materials

Name	Company	Catalog Number	Comments
2.5% <i>p</i> -phenylenediamine	Acros Organics	130575000	Stock for Antifade
Amicon Proflux M12 system	EMD Millipore	N/A	Any ultrafiltration device may be used for this step
SYBR Green I nucleic acid gel stain	Invitrogen	S-7563	
Helicon S10 30kDa Filter	EMD Millipore	CDUF010LT	
Pelicon XL filters 0.22 µm	Fisher Scientific	PXGVPPC50	
GE 0.2 µm PCTE membrane filters (47mm)	Fisher Scientific	09-732-35	
Millipore Labscale Tangential Flow Filtration System	EMD Millipore	XX42LSS11	Other TFF systems may be used for this step
0.45 µm Micronstep, Cellulosic, white plain filters (25mm)	Fisher Scientific	E04WP02500	
GE Whatman 0.02 µm Anodisc filters (25mm)	Fisher Scientific	68-09-6002	
Leica DMRXA microscope			Any epifluorescence microscope with a blue filter set may be used
20L polycarbonate carboys	Fisher Scientific		
Glycerol	Fisher Scientific	BP229-4	
PBS (0.05 M Na ₂ HPO ₄ , 0.85% NaCl, pH 7.5)	Fisher Scientific	BP329-500, S640-500	
50% Glutaraldehyde	Fisher Scientific	G151-1	
Corning 2 mL Cryovials-External Thread polypropylene	Fisher Scientific	09-761-71	Any cryovials may be used
Corning 5 mL Cryovials-External Thread polypropylene	Fisher Scientific	09-761-74	Any cryovials may be used
85% H ₃ PO ₄	Fisher Scientific	A242-212	Spiral Membrane storage
NaOH pellets	Fisher Scientific	S318-3	M12 cleaning
Graduated Cylinders			
Isopore 0.8-µm pore-size membrane filter (142mm)	EMD Millipore	ATTP14250	
Millipore Stainless Steel Pressure Filter Holder (142mm)	Fisher Scientific	YY30 090 00	