

Materials List for:

Propagation of *Homalodisca coagulata virus-01* via *Homalodisca vitripennis* Cell Culture

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Materials

Name	Company	Catalog Number	Comments
Corning cell culture flasks	Sigma Aldrich	CLS430168	Surface area 25 cm ² , canted neck, cap (plug seal)
Olympus DP30BW, IX2-SP, IX71	Olympus		Inverted microscope and camera
Trypsin-EDTA solution	Sigma Aldrich	T4049	0.25%, sterile-filtered, BioReagent, suitable for cell culture, 2.5 g porcine trypsin and 0.2 g EDTA • 4Na per liter of Hanks' Balanced Salt Solution with phenol red
Greiner CELLSTAR multiwell culture plates	Sigma Aldrich	M8937	48 wells (TC treated with lid)
DETCA	Sigma Aldrich	228680	Sodium diethyldithiocarbamate trihydrate
Corning bottle-top vacuum filter system	Sigma Aldrich	CLS431206	Cellulose acetate membrane, pore size 0.45 µm, membrane area 54.5 cm ² , filter capacity 500 ml
Brij 52	Sigma Aldrich	388831	Polyethylene glycol hexadecyl ether
Phosphate buffer solution	Sigma Aldrich	P5244	Received as 100 mM diluted to 10 mM with sterile water
TRIZOL LS	Life Technologies	10296-028	
Agarose	Sigma Aldrich	A5304	For electrophoresis
Ethidium bromide	Sigma Aldrich	E7637	BioReagent, for molecular biology, powder
QIAquick	Qiagen	28704	
QuantiTect qRT-PCR kit	Qiagen	204243	
4% paraformaldehyde	Sigma Aldrich	P6148	Reagent grade, crystalline
PBS	Sigma Aldrich	P5368	Phosphate buffered saline
Triton X-100	Sigma Aldrich	X100	
Bovine serum albumin (BSA)	Sigma Aldrich	A2153	
Rhodamine red-conjugated phalloidin	Life Technologies	R415	Rhodamine phalloidin is a high-affinity F-actin probe conjugated to the red-orange fluorescent dye, tetramethylrhodamine
DAPI	Sigma Aldrich	D9542	
ProLong Gold Antifade Reagent	Life Technologies	P36934	
LSM510 Meta Confocal System	Carl Zeiss		
LSM Zen 2007 Software	Carl Zeiss		

Grace's Insect medium (supplemented, 1x)	Sigma Aldrich	G8142	H2G+ leafhopper medium component
L-histidine monohydrate	Sigma Aldrich	H8125	H2G+ leafhopper medium component
Medium 199 (10x)	Sigma Aldrich	M4530	H2G+ leafhopper medium component
Medium 1066 (1x)	Sigma Aldrich	C0422	H2G+ leafhopper medium component
Hank's Balanced Salts (1x)	Sigma Aldrich	51322C	H2G+ leafhopper medium component
L-Glutamine (100x)	Sigma Aldrich	G3126	H2G+ leafhopper medium component
MEM, amino acid mix (50x)	Sigma Aldrich	56419C	H2G+ leafhopper medium component
1 M MgCl solution	Sigma Aldrich	M8266	H2G+ leafhopper medium component
Pen-Strep (w/ glutamine)	Sigma Aldrich	G6784	H2G+ leafhopper medium component
Nystatin	Sigma Aldrich	N6261	H2G+ leafhopper medium component
Gentamycin	Sigma Aldrich	46305	H2G+ leafhopper medium component
Dextrose	Sigma Aldrich	D9434	H2G+ leafhopper medium component
Fetal Bovine Serum	Sigma Aldrich	F2442	H2G+ leafhopper medium component