

Materials List for:

# An Improved and High Throughput Respiratory Syncytial Virus (RSV) Micro-neutralization Assay

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URL: <https://www.jove.com/video/59025>

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## Materials

Name	Company	Catalog Number	Comments
<b>Cell line</b>			
A549	ATCC	CCL-185	provided by Dr Keith Chappell, University of Queensland
<b>Viral strains</b>			
RSV A2	ATCC	VR-1540	lot number 60430286
<b>Reagents</b>			
Acetone	Merck	1000142511	
Alexa-Fluor donkey anti-goat IgG (stored at 4 °C)	Life Technologies	A11055	
CMC sodium salt powder	Sigma-Aldrich	C5678-500G	
DMEM (no serum, 3.7 g/L NaHC, P/S) (stored at 4 °C)	Scientific Services – Tissue Culture		MCRI in house supply
Foetal calf Serum (stored in 50ml aliquots at -20 °C)	Interpath	SFBS-F	
Goat X RSV antibody	Merck	AB1128	
human polyclonal antiserum to respiratory syncytial virus (RSV) (stored in 45 µL aliquots at -20 °C)	BEI Resources	NR-4022	Free order through BEI Resources upon registration. This serum belong to a panel of human antiserum and immune globulin to RSV (NR-32832)
M199 powder	Life Technologies	31100035	
Milk diluent blocking solution (stored at 4 °C)	Australian Biosearch	50-82-01	
Penicillin/Streptomycin (stored in 6mL aliquots at -20 °C)	Life Technologies	15140122	
s.d.H <sub>2</sub> O from Milli-Q dispenser	Merck		In-house dispensation
Sterile 1X PBS for culture (stored at 4°C)	Scientific Services – Tissue Culture		MCRI in house supply
Tween 20 polysorbate	Sigma-Aldrich	9005-64-5	
<b>General Consumables</b>			
Conical Falcon tubes (50 mL)	Invitro Technologies	FAL352070	
Filter unit 0.22µm (500 mL)	Thermo Fisher	NAL5660020	
Sterile Eppendorf tubes (1.5 mL)	Australia PL	AM12400	
Sterile flat-bottom plates (96-well with lid)	Interpath	655180	

Sterile U-bottom plates (96-well with lid)	Interpath	650180	
5ml serological pipette	Sigma-Aldrich	CLS4487-200EA	
10 mL serological pipette	Interpath	607180	
25 mL serological pipette	Sigma-Aldrich	CLS4251-200EA	
Tip Pipette 1-200 $\mu$ L Clear Maxymum Recovery Racked Pre-sterilized 10RACKS x 96TIPS PKG960	Fisher Biotec	TF-200-L-R-S	
Tip Pipette 5-20 $\mu$ L Clear Maxymum Recovery Racked Pre-sterilized 10RACKS x 96TIPS PKG960	Fisher Biotec	TF-20-L-R-S	
Tip Pipette 100-1000 $\mu$ L Clear Maxymum Recovery Racked Pre-sterilized 10RACKS x 100TIPS PKG1000	Fisher Biotec	TF-1000-L-R-S	
Tip Pipette 1-10 $\mu$ L Clear Maxymum Recovery Racked Pre-sterilized 10RACKS x 100TIPS PKG1001	Fisher Biotec	TXLF-10-L-R-S	
<b>Equipments and softwares</b>			
ELISpot reader system	AID iSpot, Autoimmun Diagnostika GmbH, Strasburg, Germany		
AID ELISpot software version 5.0	AID iSpot, Autoimmun Diagnostika GmbH, Strasburg, Germany		
Microsoft Excel 2007			