

Materials List for:

Optimization of a Quantitative Micro-neutralization Assay

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Materials

Name	Company	Catalog Number	Comments
VGM	Sigma	D6429, P0781	500 ml DMEM+5 ml Pen/Strep ^b
PBS A			Nature pH Phosphate-buffered saline: NaCl 10 g, KCl 0.25 g, Na ₂ HPO ₄ 1.437 g, KH ₂ PO ₄ 0.25 g, and Dist. Water 1 L.
Avicell	FMC	RC-581F	2.4 g in 100 ml distilled water dissolved by agitation on a magnetic stirrer for 1 hr. Sterilize by autoclaving.
2x DMEM	Gibco	21935-028	
Trypsin	Sigma	T1426	
Overlay (10 ml/plate):			5 ml 2x DMEM, Trypsin 2 µg/ml final concentration, Avicell 5 ml
Triton X- 100 ^e	Sigma	T8787	Permeabilisation buffer: 0.2% in PBS A (v/v)
Tween 80	Sigma	P5188	Wash Buffer: 0.05% Tween 80 in PBS A (v/v)
Horse serum	PAA Labs Ltd	B15-021	ELISA Buffer: 10% in PBS A (v/v) + 0.1% Tween 80
Mouse MAb against influenza type A	Biorad	MCA 400	1 st Antibody: 1:1,000 in ELISA Buffer
Goat anti-mouse IgG (H+L) HRP conjugate	Biorad	172-1011	2 nd Antibody: 1:1,000 in ELISA Buffer
True Blu peroxidase substrate	KPL	50-78-02	Substrate: True blue +0.03% H ₂ O ₂ ^g (1:1,000 of 30% solution)
96-well flat-bottom microtitre plates	Costar	3596	
8 channel multiwall-plate washer and manifold	Sigma	M2656	
Perfection Plate Scanner	Epson	V750 Pro	The imaging software can be downloaded freely from http://www.epson.com/cgi-bin/Store/support/supDetail.jsp?oid=66134&infoType=Downloads .
Software operational environment: LabVIEW	National Instruments Corporation	Window based with NI Vision builder	Version: LabVIEW2012 or above