

Materials List for:

Use of an Influenza Antigen Microarray to Measure the Breadth of Serum Antibodies Across Virus Subtypes

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Materials

Name	Company	Catalog Number	Comments
16-pad nitrocellulose-coated glass slides	Grace Bio Labs	305016	
1x GVS FAST blocking buffer	Fischer Scientific	10485356	
ArrayCam portable imager	Grace Bio Labs	400S	Other imaging devices can be used to visualize slides if capable of achieving the resolution of the microarray spots and the excitation and emission wavelengths of the quantum dots.
Biotin-conjugated goat anti-mouse-IgG antibody	Thermo Fischer	31800	
HiBase 384-well plate	Greiner Bio-One	T-3037-11	
Microarray pins	ArrayIt	GMP2	Each different microarray printer may require its own custom microarray pins.
Mouse monoclonal poly-His antibody	Sigma-Aldrich	H1029	
OmniGrid 100 microarray printer	GeneMachines		The version of the microarray printer used in this work is no longer commercially available, but the updated similar equipment is the OmniGrid Accent microarray printer from Digilab (Hopkinton, MA), and the same protocol can be carried out with most commercially available microarray printers.
ProPlate slide chambers	Grace Bio Labs	246890	
ProPlate slide clips	Grace Bio Labs	204838	
ProPlate slide frames	Grace Bio Labs	246879	
Quantum dot 585 nm conjugated goat anti-human-IgA antibody	Grace Bio Labs	110620	
Quantum dot 585 nm streptavidin conjugate	Thermo Fischer	Q10111MP	
Quantum dot 800 nm conjugated goat anti-human-IgG antibody	Grace Bio Labs	110610	