

Materials List for

Dynamic Monitoring of Seroconversion using a Multianalyte Immunobead Assay for Covid-19

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Materials

Name	Company	Catalog Number	Comments
384-well black side polystyrene microtiter plates	Thermo Fisher	12-565-346	
Activation buffer (0.1 M NaH ₂ PO ₄ , pH 6.2)	Prepared in house		
Assay buffer (PBS, 1% Bovine Serum Albumin, 0.01% Polysorbate-20)	Prepared in house		
Bovine Serum Albumin, heat shock fraction	MilliporeSigma	A-7888-50G	
Coupling buffer (50 mM MES, pH 5.0)	Prepared in house		
COVID 19 M Coronavirus Recombinant Matrix Protein (6xHis tag)	MyBioSource	MBS8574735	
Disposable pipette tips			
EDC (1-Ethyl-3-[3-dimethylaminopropyl]carbodiimide hydrochloride)	Thermo Fisher	PIA35391	
Goat Albumin, Fraction V Powder	MilliporeSigma	A2514-1G	
IgA Goat anti-Human, R-PE, Polyclonal	Thermo Fisher	OB205009	
IgG Goat anti-Human, R-PE, Polyclonal	Thermo Fisher	OB204009	
IgG Goat anti-Rabbit, R-PE, Polyclonal	Thermo Fisher	OB403009	
IgM Goat anti-Human, R-PE, Polyclonal	Thermo Fisher	OB202009	
IgM Mouse anti-Human, SB 436, Clone SA-DA4	Thermo Fisher	62999842	
Instrument Analyzer	Luminex Corp.	INTELLIFLEX-RUO	

Low-Bind microcentrifuge tubes (1.5 mL)	Thermo Fisher	13-698-794	
MagPlex-C Microspheres, Region XXX	Luminex Corp.	MC10XXX-01	
MES hydrate (2-(N-Morpholino) ethane sulfonic acid hydrate)	MilliporeSigma	M2933	
Microplate aluminum sealing tape	Thermo Fisher	07-200-683	
Polysorbate-20	Thermo Fisher	BP337-500	
Quality Biological Inc. PBS, pH 7.2	Thermo Fisher	50-751-7328	
Quench buffer (PBS, 1% Goat Serum Albumin, 0.01% Polysorbate-20)	Prepared in house		
SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein (His tag)	Sino Biologicals	40588-V08B	
SARS-CoV-2 (2019-nCoV) Spike Protein (S1 Subunit, His tag)	Sino Biologicals	40591-V08H	
SARS-CoV-2 (2019-nCoV) Spike RBD Antibody, Rabbit pAb	Sino Biologicals	40592-T62	
SARS-CoV-2 (2019-nCoV) Nucleocapsid Antibody, Rabbit mAb	Sino Biologicals	40588-R0004	
SARS-CoV-2 (COVID-19) Membrane Antibody (IN), Rabbit pAb	ProSci	10-516	
Sulfo-NHS (N-hydroxysulfosuccinimide)	Thermo Fisher	PIA39269	
Wash Buffer (PBS, 0.01% Polysorbate-20)	Prepared in house		
Water, LC/MS grade	Thermo Fisher	W-64	