

Materials List for:

# An Optimized Hemagglutination Inhibition (HI) Assay to Quantify Influenza-specific Antibody Titers

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## Materials

Name	Company	Catalog Number	Comments
25 ml Disposable Multichannel Pipette Reservoirs	Integra	4312	
8-well PCR tubes	Brand GMBH	781332	For serum aliquots
96-well microtiter plate, U-shaped	TPP	92097	For HI assay when using mammalian RBCs
96-well microtiter plate, V-shaped	Corning Costar	3897	For HI assay when using avian RBCs
Aqua ad iniectionem Steril	Bichsel AG	1000004	For preparing influenza antigen and cholera filtrate solutions
Chicken RBC (10%)	Cedarlane	CLC8800	10% suspension of chicken red blood cells in Alsever's solution
Cholera filtrate	Sigma-Aldrich	C8772	Used as receptor destroying enzyme (RDE)
Dulbecco's PBS	Sigma-Aldrich	D8537	For diluting the serum samples, RBCs and antigens
Eppendorf Multichannel pipette, 12-channel, 10-100 µl	Sigma-Aldrich	Z683949	
Eppendorf Multichannel pipette, 8-channel, 10-100 µl	Sigma-Aldrich	Z683930	
Guinea Pig RBC (10%)	Cedarlane	CLC1800	10% suspension of guinea pig red blood cells in Alsever's solution
Influenza Anti-A/California/7/09 HA serum	NIBSC	14/134	Used as positive control at the HI assay
Influenza Anti-A/Switzerland/9715293/2013-like HA serum	NIBSC	14/272	Used as positive control at the HI assay
Influenza Anti-A/Texas/50/2012-Like HA Serum	NIBSC	13/178	Used as positive control at the HI assay
Influenza Anti-B/Brisbane/60/2008-HA serum	NIBSC	13/254	Used as positive control at the HI assay
Influenza Anti-B/Massachusetts/02/2012 HA serum	NIBSC	13/182	Used as positive control at the HI assay
Influenza antigen A/California/7/09 (H1N1)(NYMC-X181)	NIBSC	12/168	Inactivated, partially purified A/California/7/09 (H1N1)(NYMC-X181) virus (ca. 46µgHA/ml)

Influenza antigen A/ Switzerland/9715293/2013 (NIB88)	NIBSC	14/254	Inactivated, partially purified A/ Switzerland/9715293/2013 (NIB88) virus (ca. 55µgHA/ml)
Influenza antigen A/Texas/50/2012 (H3N2)(NYMCX-223)	NIBSC	13/112	Inactivated, partially purified A/Texas/50/2012 (H3N2) (NYMCX-223) virus (ca. 74µgHA/ ml)
Influenza antigen B/ Brisbane/60/2008	NIBSC	13/234	Inactivated, partially purified B/Brisbane/60/2008 virus (ca. 42µgHA/ml)
Influenza antigen B/ Massachusetts/02/2012	NIBSC	13/134	Inactivated, partially purified B/ Massachusetts/02/2012 virus (ca. 35µgHA/ml)
Serum-Tubes	S-Monovette, Sardstedt	01.1601.100	For serum extraction with clotting activator
Single Donor Human RBC, Type 0	Innovative Research	IPLA-WB3	Suspension of single donor human red blood cells in Alsever's solution (ca. 26%)
Turkey RBC (10%)	Cedarlane	CLC1180	10% suspension of turkey red blood cells in Alsever's solution
Phosphate Buffered Saline (PBS)	Gibco		