



Alere™ Influenza A & B Test Annual Analytical Reactivity Testing

2018 Alere™ Influenza A & B Test Annual Analytical Reactivity Data

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration (EID ₅₀ /mL)	Virus Serial Dilution Concentration (EID ₅₀ /mL) and Number of Positive Results at each Dilution							
			2x10 ^{-7.9}	4x10 ^{-6.9}	8x10 ^{-5.9}	1.6x10 ^{-5.9}	3.2x10 ^{-4.9}	6.4x10 ^{-3.9}	1.28x10 ^{-3.9}	2.56x10 ^{-2.9}
A/H3N2	A/Perth/16/2009	10 ^{-8.9}	5/5	5/5	5/5	5/5	0/5	0/5	N/A	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID ₅₀ /mL) and Number of Positive Results at each Dilution							
			2x10 ^{-7.2}	4x10 ^{-6.2}	8x10 ^{-5.2}	1.6x10 ^{-5.2}	3.2x10 ^{-4.2}	6.4x10 ^{-3.2}	1.28x10 ^{-3.2}	2.56x10 ^{-2.2}
A/H3N2	A/Singapore/INFIMH-16-0019/2016	10 ^{-8.2}	5/5	5/5	5/5	0/5	0/5	N/A	N/A	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID ₅₀ /mL) and Number of Positive Results at each Dilution							
			2x10 ^{-7.9}	4x10 ^{-6.9}	8x10 ^{-5.9}	1.6x10 ^{-5.9}	3.2x10 ^{-4.9}	6.4x10 ^{-3.9}	1.28x10 ^{-3.9}	2.56x10 ^{-2.9}
A/H1N1pdm09	A/California/07/2009	10 ^{-8.9}	5/5	5/5	5/5	5/5	0/5	0/5	N/A	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID ₅₀ /mL) and Number of Positive Results at each Dilution							
			2x10 ^{-7.2}	4x10 ^{-6.2}	8x10 ^{-5.2}	1.6x10 ^{-5.2}	3.2x10 ^{-4.2}	6.4x10 ^{-3.2}	1.28x10 ^{-3.2}	2.56x10 ^{-2.2}
A/H1N1pdm09	A/Michigan/45/2015	10 ^{-8.2}	5/5	5/5	5/5	5/5	5/5	0/5	0/5	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID ₅₀ /mL) and Number of Positive Results at each Dilution							
			2x10 ^{-7.5}	4x10 ^{-6.5}	8x10 ^{-5.5}	1.6x10 ^{-5.5}	3.2x10 ^{-4.5}	6.4x10 ^{-3.5}	1.28x10 ^{-3.5}	2.56x10 ^{-2.5}
B/Victoria-Like	B/Brisbane/60/2008	10 ^{-8.5}	5/5	5/5	5/5	0/5	0/5	N/A	N/A	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID ₅₀ /mL) and Number of Positive Results at each Dilution							
			2x10 ^{-8.4}	4x10 ^{-7.4}	8x10 ^{-6.4}	1.6x10 ^{-6.4}	3.2x10 ^{-5.4}	6.4x10 ^{-4.5}	1.28x10 ^{-4.5}	2.56x10 ^{-3.5}
B/Victoria-Like	B/Colorado/06/2017	10 ^{-9.4}	5/5	5/5	5/5	0/5	0/5	N/A	N/A	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID ₅₀ /mL) and Number of Positive Results at each Dilution							
			2x10 ^{-7.9}	4x10 ^{-6.9}	8x10 ^{-5.9}	1.6x10 ^{-5.9}	3.2x10 ^{-4.9}	6.4x10 ^{-3.9}	1.28x10 ^{-3.9}	2.56x10 ^{-2.9}
B/Yamagata-Like	B/Wisconsin/01/2010	10 ^{-8.9}	5/5	5/5	5/5	5/5	0/5	0/5	N/A	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID ₅₀ /mL) and Number of Positive Results at each Dilution							
			2x10 ^{-7.5}	4x10 ^{-6.5}	8x10 ^{-5.5}	1.6x10 ^{-5.5}	3.2x10 ^{-4.5}	6.4x10 ^{-3.5}	1.28x10 ^{-3.5}	2.56x10 ^{-2.5}
B/Yamagata-Like	B/Phuket/3073/2013	10 ^{-8.5}	5/5	5/5	5/5	0/5	0/5	N/A	N/A	N/A

The concentrations highlighted in green show the minimum reactive concentration for each virus where at least one replicate out of five was detected by the test.



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2017 Alere™ Influenza A & B Test Annual Analytical Reactivity Data

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration (EID50/mL)	Virus Serial Dilution Concentration (EID50/mL) and Number of Positive Results at Each Dilution							
			2x10 ^{8.3}	4x10 ^{7.3}	8x10 ^{6.3}	1.6x10 ^{6.3}	3.2x10 ^{5.3}	6.4x10 ^{4.3}	1.28x10 ^{3.3}	2.56x10 ^{2.3}
A (H1N1)	A/Brisbane/59/2007	10 ^{9.3}	5/5	5/5	5/5	0/5	0/5	N/A	N/A	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID50/mL) and Number of Positive Results at Each Dilution							
			2x10 ^{8.2}	4x10 ^{7.2}	8x10 ^{6.2}	1.6x10 ^{6.2}	3.2x10 ^{5.2}	6.4x10 ^{4.2}	1.28x10 ^{3.2}	2.56x10 ^{2.2}
A (H1N1)	A/Fujian Gulou/1896/2009	10 ^{9.2}	5/5	5/5	5/5	5/5	0/5	0/5	N/A	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID50/mL) and Number of Positive Results at Each Dilution							
			2x10 ^{7.9}	4x10 ^{6.9}	8x10 ^{5.9}	1.6x10 ^{5.9}	3.2x10 ^{4.9}	6.4x10 ^{3.9}	1.28x10 ^{2.9}	2.56x10 ^{1.9}
A (H3N2)	A/Perth/16/2009	10 ^{8.9}	5/5	5/5	2/5	0/5	0/5	N/A	N/A	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID50/mL) and Number of Positive Results at Each Dilution							
			2x10 ^{6.9}	4x10 ^{5.9}	8x10 ^{4.9}	1.6x10 ^{4.9}	3.2x10 ^{3.9}	6.4x10 ^{2.9}	1.28x10 ^{1.9}	2.56x10 ^{0.9}
A (H3N2)	A/Hong Kong/4801/2014	10 ^{7.9}	5/5	5/5	5/5	5/5	0/5	0/5	N/A	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID50/mL) and Number of Positive Results at Each Dilution							
			2x10 ^{8.5}	4x10 ^{7.5}	8x10 ^{6.5}	1.6x10 ^{6.5}	3.2x10 ^{5.5}	6.4x10 ^{4.5}	1.28x10 ^{3.5}	2.56x10 ^{2.5}
A (H1N1)pdm09	A/California/07/2009	10 ^{9.5}	5/5	5/5	5/5	0/5	0/5	N/A	N/A	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID50/mL) and Number of Positive Results at Each Dilution							
			2x10 ^{7.3}	4x10 ^{6.3}	8x10 ^{5.3}	1.6x10 ^{5.3}	3.2x10 ^{4.3}	6.4x10 ^{3.3}	1.28x10 ^{2.3}	2.56x10 ^{1.3}
A (H1N1)pdm09	A/Michigan/45/2015	10 ^{8.3}	5/5	5/5	5/5	0/5	0/5	N/A	N/A	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID50/mL) and Number of Positive Results at Each Dilution							
			2x10 ^{8.9}	4x10 ^{7.9}	8x10 ^{6.9}	1.6x10 ^{6.9}	3.2x10 ^{5.9}	6.4x10 ^{4.9}	1.28x10 ^{3.9}	2.56x10 ^{2.9}
B (Victoria lineage)	B/Brisbane/60/2008	10 ^{9.9}	5/5	5/5	5/5	5/5	0/5	0/5	N/A	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID50/mL) and Number of Positive Results at Each Dilution							
			2x10 ^{8.1}	4x10 ^{7.1}	8x10 ^{6.1}	1.6x10 ^{6.1}	3.2x10 ^{5.1}	6.4x10 ^{4.1}	1.28x10 ^{3.1}	2.56x10 ^{2.1}
B (Victoria lineage)	B/Texas/02/2013	10 ^{9.1}	5/5	5/5	5/5	5/5	0/5	0/5	N/A	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID50/mL) and Number of Positive Results at Each Dilution							
			2x10 ^{5.9}	4x10 ^{4.9}	8x10 ^{3.9}	1.6x10 ^{3.9}	3.2x10 ^{2.9}	6.4x10 ^{1.9}	1.28x10 ^{0.9}	2.0335
B (Yamagata lineage)	B/Wisconsin/01/2010	10 ^{6.9}	5/5	5/5	5/5	0/5	0/5	N/A	N/A	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID50/mL) and Number of Positive Results at Each Dilution							
			2x10 ^{8.9}	4x10 ^{7.9}	8x10 ^{6.9}	1.6x10 ^{6.9}	3.2x10 ^{5.9}	6.4x10 ^{4.9}	1.28x10 ^{3.9}	2.56x10 ^{2.9}
B (Yamagata lineage)	B/Phuket/3073/2013	10 ^{9.9}	5/5	5/5	5/5	5/5	0/5	0/5	N/A	N/A

The concentrations highlighted in green show the minimum reactive concentration for each virus where at least one replicate out of five was detected by the test.



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Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID ₅₀ /ml) and Number of Positive Results at Each Dilution									
			5.0x 10 ⁸	1.0x 10 ⁸	2.0x 10 ⁷	4.0x 10 ⁶	8.0x 10 ⁵	1.6x 10 ⁵	3.2x 10 ⁴	6.4x 10 ³	1.3x 10 ³	2.6x 10 ²
A (H5N2)	A/Northern pintail/ Washington/40964/2014 BPL	2.5x 10 ⁹	5/5	5/5	5/5	3/5	0/5	0/5	N/A	N/A	N/A	N/A

Influenza Virus (Type/Subtype)	Virus Strain Name	Stock Concentration	Virus Serial Dilution Concentration (EID ₅₀ /ml) and Number of Positive Results at Each Dilution									
			3.2x 10 ⁹	6.4x 10 ⁸	1.3x 10 ⁸	2.6x 10 ⁷	5.1x 10 ⁶	1.0x 10 ⁶	2.0x 10 ⁵	4.1x 10 ⁴	8.2x 10 ³	1.6x 10 ³
A (H5N8)	A/gyrfalcon/ Washington/41088- 6/2014 BPL	1.6x 10 ¹⁰	5/5	5/5	5/5	5/5	2/5	0/5	0/5	N/A	N/A	N/A

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