

## Summary of 2017 Annual Flu Strain Reactivity testing

### Catalog 256045: BD Veritor™ System for Rapid Detection of Flu A + B, CLIA Waived kit

A panel of 10 human influenza viral strains was provided by the Centers for Disease Control for evaluating the reactivity of the BD Veritor™ System Flu A+B CLIA waived test. The viral isolates included 6 Influenza A and 4 Influenza B strains. Each sample was serially diluted in 5 fold dilutions from the stock provided and each dilution was assayed in replicates of 5. To create samples for testing, mock patient samples were prepared by pipetting 50 µL of each diluted sample onto a swab. Each swab was tested following the procedure stated in the package insert.

All strains were successfully detected. The minimally reactive concentration was identified as the lowest dilution at which any of the 5 replicates gave a positive reading.

#### Results<sup>2</sup>:

Influenza Virus Type/(Subtype)	Virus Strain Name	Stock EID <sub>50</sub> /mL	Virus Serial Dilution Concentration (EID <sub>50</sub> /mL) and Number of Positive Results at Each Dilution						
			2×10 <sup>8.3</sup>	4×10 <sup>7.3</sup>	8×10 <sup>6.3</sup>	1.6×10 <sup>5.3</sup>	3.2×10 <sup>4.3</sup>	6.4×10 <sup>3.3</sup>	1.28×10 <sup>2.3</sup>
A(H1N1)	A/Brisbane/59/2007	10 <sup>9.3</sup>	5/5	5/5	5/5	5/5	5/5	0/5	0/5
	A/Fujian Gulou/1896/2009	10 <sup>9.2</sup>	5/5	5/5	5/5	5/5	5/5	0/5	0/5
A (H3N2)	A/Perth/16/2009	10 <sup>8.9</sup>	5/5	5/5	5/5	0/5	0/5		
	A/Hong Kong/4801/2014	10 <sup>7.9</sup>	5/5	5/5	5/5	5/5	5/5	0/5	0/5
A (H1N1)pdm09	A/California/07/2009	10 <sup>9.5</sup>	5/5	5/5	5/5	5/5	0/5	0/5	
	A/Michigan/45/2015	10 <sup>8.3</sup>	5/5	5/5	5/5	0/5	0/5		
B (Victoria lineage)	B/Brisbane/60/2008	10 <sup>9.9</sup>	5/5	5/5	5/5	5/5	0/5	0/5	
	B/Texas/02/2013	10 <sup>9.1</sup>	5/5	5/5	5/5	0/5	0/5		
B (Yamagata lineage)	B/Wisconsin/1/2010	10 <sup>6.9</sup>	5/5	5/5	5/5	5/5	0/5	0/5	
	B/Phuket/3073/2013	10 <sup>9.9</sup>	5/5	5/5	5/5	0/5	0/5		

<sup>2</sup>all samples consisted of 50 µL of diluted viral sample on a swab identical to those contained in the BD Veritor™ CLIA Waived Flu kit. Results with actual patient samples may vary.