

BioSign® Flu A + B

2025 Annual Reactivity Testing Results

The following tables summarize the results of annual reactivity testing performed using 2025 CBER influenza viruses panel (Cat: VP2025, Lot No.: VP2025-001, Exp. Date: 2026-06-01) as required by 21 CFR 866.3328(b).

Using Swab Sample method

Influenza virus A

| Influenza Virus<br>(Type/Subtype) | Virus Strain Name      | Virus Serial Dilution Concentration (EID <sub>50</sub> /mL)<br>and Number of Positive Results at Each Dilution (no. of positives /5 replicates) |                      |                      |                      |                        |                        |                        |                         |
|-----------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|----------------------|------------------------|------------------------|------------------------|-------------------------|
|                                   |                        | 10 <sup>9.25</sup>                                                                                                                              | 2x10 <sup>8.25</sup> | 4x10 <sup>7.25</sup> | 8x10 <sup>6.25</sup> | 1.6x10 <sup>6.25</sup> | 3.2x10 <sup>5.25</sup> | 6.4x10 <sup>4.25</sup> | 1.28x10 <sup>4.25</sup> |
| A(H1N1)pdm09                      | A/Victoria/4897/2022   | n/a                                                                                                                                             | 5/5                  | 5/5                  | 5/5                  | 5/5                    | 2/5                    | 0/5                    | 0/5                     |
|                                   |                        | 10 <sup>8.3</sup>                                                                                                                               | 2x10 <sup>7.3</sup>  | 4x10 <sup>6.3</sup>  | 8x10 <sup>5.3</sup>  | 1.6x10 <sup>5.3</sup>  | 3.2x10 <sup>4.3</sup>  | 6.4x10 <sup>3.3</sup>  | n/a                     |
| A(H1N1)pdm09                      | A/Victoria/2570/2019   | n/a                                                                                                                                             | 5/5                  | 5/5                  | 5/5                  | 5/5                    | 0/5                    | 0/5                    | n/a                     |
|                                   |                        | 10 <sup>7.7</sup>                                                                                                                               | 2x10 <sup>6.7</sup>  | 4x10 <sup>5.7</sup>  | 8x10 <sup>4.7</sup>  | 1.6x10 <sup>4.7</sup>  | 3.2x10 <sup>3.7</sup>  | 6.4x10 <sup>2.7</sup>  | 1.28x10 <sup>2.7</sup>  |
| A(H3N2)                           | A/Croatia/10136RV/2023 | n/a                                                                                                                                             | 5/5                  | 5/5                  | 5/5                  | 5/5                    | 3/5                    | 0/5                    | 0/5                     |
|                                   |                        | 10 <sup>8.75</sup>                                                                                                                              | 2x10 <sup>7.75</sup> | 4x10 <sup>6.75</sup> | 8x10 <sup>5.75</sup> | 1.6x10 <sup>5.75</sup> | 3.2x10 <sup>4.75</sup> | 6.4x10 <sup>3.75</sup> | 1.28x10 <sup>3.75</sup> |
| A(H3N2)                           | A/Wisconsin/160/2024   | n/a                                                                                                                                             | 5/5                  | 5/5                  | 5/5                  | 5/5                    | 5/5                    | 0/5                    | 0/5                     |
|                                   |                        |                                                                                                                                                 |                      |                      |                      |                        |                        |                        |                         |

Influenza virus B

| Influenza Virus<br>(Type/Subtype) | Virus Strain Name        | Virus Serial Dilution Concentration (EID <sub>50</sub> /mL)<br>and Number of Positive Results at Each Dilution (no. of positives /5 replicates) |                     |                     |                     |                        |                       |                       |                        |
|-----------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|------------------------|-----------------------|-----------------------|------------------------|
|                                   |                          | 10 <sup>8.5</sup>                                                                                                                               | 2x10 <sup>7.5</sup> | 4x10 <sup>6.5</sup> | 8x10 <sup>5.5</sup> | 1.6x10 <sup>5.5</sup>  | 3.2x10 <sup>4.5</sup> | n/a                   | n/a                    |
| √ (Victoria lineage)              | B/Austria/1359417/2021   | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 0/5                    | 0/5                   | n/a                   | n/a                    |
|                                   |                          | 10 <sup>8.7</sup>                                                                                                                               | 2x10 <sup>7.7</sup> | 4x10 <sup>6.7</sup> | 8x10 <sup>5.7</sup> | 1.6x 10 <sup>5.7</sup> | 3.2x10 <sup>4.7</sup> | 6.4x10 <sup>3.7</sup> | n/a                    |
| √ (Victoria lineage)              | B/Netherlands/10894/2022 | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 0/5                   | 0/5                   | n/a                    |
|                                   |                          | 10 <sup>9.5</sup>                                                                                                                               | 2x10 <sup>8.5</sup> | 4x10 <sup>7.5</sup> | 8x10 <sup>6.5</sup> | 1.6x10 <sup>6.5</sup>  | 3.2x10 <sup>5.5</sup> | 6.4x10 <sup>4.5</sup> | 1.28x10 <sup>4.5</sup> |
| √ (Yamagata lineage)              | B/Phuket/3073/2013       | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 5/5                   | 0/5                   | 0/5                    |
|                                   |                          | 10 <sup>10</sup>                                                                                                                                | 2x10 <sup>9</sup>   | 4x10 <sup>8</sup>   | 8x10 <sup>7</sup>   | 1.6x10 <sup>7</sup>    | 3.2x10 <sup>6</sup>   | 6.4x10 <sup>5</sup>   | 1.28x10 <sup>5</sup>   |
| √ (Yamagata lineage)              | B/Norway/2134/2019       | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 5/5                   | 0/5                   | 0/5                    |
|                                   |                          |                                                                                                                                                 |                     |                     |                     |                        |                       |                       |                        |

Using Aspirate sample method

Influenza virus A

| Influenza Virus<br>(Type/Subtype) | Virus Strain Name      | Virus Serial Dilution Concentration (EID <sub>50</sub> /mL)<br>and Number of Positive Results at Each Dilution (no. of positives /5 replicates) |                      |                      |                      |                        |                        |                        |                         |                         |
|-----------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|----------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|
|                                   |                        | 10 <sup>9.25</sup>                                                                                                                              | 2x10 <sup>8.25</sup> | 4x10 <sup>7.25</sup> | 8x10 <sup>6.25</sup> | 1.6x10 <sup>6.25</sup> | 3.2x10 <sup>5.25</sup> | 6.4x10 <sup>4.25</sup> | 1.28x10 <sup>4.25</sup> | n/a                     |
| A(H1N1)pdm09                      | A/Victoria/4897/2022   | n/a                                                                                                                                             | 5/5                  | 5/5                  | 5/5                  | 5/5                    | 5/5                    | 0/5                    | 0/5                     | n/a                     |
|                                   |                        | 10 <sup>8.3</sup>                                                                                                                               | 2x10 <sup>7.3</sup>  | 4x10 <sup>6.3</sup>  | 8x10 <sup>5.3</sup>  | 1.6x10 <sup>5.3</sup>  | 3.2x10 <sup>4.3</sup>  | 6.4x10 <sup>3.3</sup>  | 1.28x10 <sup>3.3</sup>  | n/a                     |
| A(H1N1)pdm09                      | A/Victoria/2570/2019   | n/a                                                                                                                                             | 5/5                  | 5/5                  | 5/5                  | 5/5                    | 5/5                    | 0/5                    | 0/5                     | n/a                     |
|                                   |                        | 10 <sup>7.7</sup>                                                                                                                               | 2x10 <sup>6.7</sup>  | 4x10 <sup>5.7</sup>  | 8x10 <sup>4.7</sup>  | 1.6x10 <sup>4.7</sup>  | 3.2x10 <sup>3.7</sup>  | 6.4x10 <sup>2.7</sup>  | 1.28x10 <sup>2.7</sup>  | 2.56x10 <sup>1.7</sup>  |
| A(H3N2)                           | A/Croatia/10136RV/2023 | n/a                                                                                                                                             | 5/5                  | 5/5                  | 5/5                  | 5/5                    | 5/5                    | 1/5                    | 0/5                     | 0/5                     |
|                                   |                        | 10 <sup>8.75</sup>                                                                                                                              | 2x10 <sup>7.75</sup> | 4x10 <sup>6.75</sup> | 8x10 <sup>5.75</sup> | 1.6x10 <sup>5.75</sup> | 3.2x10 <sup>4.75</sup> | 6.4x10 <sup>3.75</sup> | 1.28x10 <sup>3.75</sup> | 2.56x10 <sup>2.75</sup> |
| A(H3N2)                           | A/Wisconsin/160/2024   | n/a                                                                                                                                             | 5/5                  | 5/5                  | 5/5                  | 5/5                    | 5/5                    | 5/5                    | 0/5                     | 0/5                     |
|                                   |                        |                                                                                                                                                 |                      |                      |                      |                        |                        |                        |                         |                         |

Influenza virus B

| Influenza Virus<br>(Type/Subtype) | Virus Strain Name        | Virus Serial Dilution Concentration (EID <sub>50</sub> /mL)<br>and Number of Positive Results at Each Dilution (no. of positives /5 replicates) |                     |                     |                     |                        |                       |                       |                        |                        |
|-----------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|
|                                   |                          | 10 <sup>8.5</sup>                                                                                                                               | 2x10 <sup>7.5</sup> | 4x10 <sup>6.5</sup> | 8x10 <sup>5.5</sup> | 1.6x10 <sup>5.5</sup>  | 3.2x10 <sup>4.5</sup> | 6.4x10 <sup>3.5</sup> | n/a                    | n/a                    |
| √ (Victoria lineage)              | B/Austria/1359417/2021   | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 0/5                   | 0/5                   | n/a                    | n/a                    |
|                                   |                          | 10 <sup>8.7</sup>                                                                                                                               | 2x10 <sup>7.7</sup> | 4x10 <sup>6.7</sup> | 8x10 <sup>5.7</sup> | 1.6x 10 <sup>5.7</sup> | 3.2x10 <sup>4.7</sup> | 6.4x10 <sup>3.7</sup> | 1.28x10 <sup>3.7</sup> | n/a                    |
| √ (Victoria lineage)              | B/Netherlands/10894/2022 | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 5/5                   | 0/5                   | 0/5                    | n/a                    |
|                                   |                          | 10 <sup>9.5</sup>                                                                                                                               | 2x10 <sup>8.5</sup> | 4x10 <sup>7.5</sup> | 8x10 <sup>6.5</sup> | 1.6x10 <sup>6.5</sup>  | 3.2x10 <sup>5.5</sup> | 6.4x10 <sup>4.5</sup> | 1.28x10 <sup>4.5</sup> | 2.56x10 <sup>3.5</sup> |
| √ (Yamagata lineage)              | B/Phuket/3073/2013       | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 5/5                   | 5/5                   | 0/5                    | 0/5                    |
|                                   |                          | 10 <sup>10</sup>                                                                                                                                | 2x10 <sup>9</sup>   | 4x10 <sup>8</sup>   | 8x10 <sup>7</sup>   | 1.6x10 <sup>7</sup>    | 3.2x10 <sup>6</sup>   | 6.4x10 <sup>5</sup>   | 1.28x10 <sup>5</sup>   | 2.56x10 <sup>4</sup>   |
| √ (Yamagata lineage)              | B/Norway/2134/2019       | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 5/5                   | 5/5                   | 0/5                    | 0/5                    |
|                                   |                          |                                                                                                                                                 |                     |                     |                     |                        |                       |                       |                        |                        |

2024 Annual Reactivity Testing Results

The following tables summarize the results of annual reactivity testing performed using 2024 CBER influenza viruses panel (Cat: VP2024, Lot No.: VP2024-001, Exp. Date: 2025-06-01) as required by 21 CFR 866.3328(b).

Using Swab Sample method

Influenza virus A

| Influenza Virus (Type/Subtype) | Virus Strain Name     | Virus Serial Dilution Concentration (EID <sub>50</sub> /mL) and Number of Positive Results at Each Dilution (no. of positives /5 replicates) |                     |                     |                     |                       |                       |                       |
|--------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------------|-----------------------|-----------------------|
| A(H1N1)pdm09                   | A/Victoria/4897/2022  | 10 <sup>8.5</sup>                                                                                                                            | 2x10 <sup>7.5</sup> | 4x10 <sup>6.5</sup> | 8x10 <sup>5.5</sup> | 1.6x10 <sup>5.5</sup> | 3.2x10 <sup>4.5</sup> | n/a                   |
|                                |                       | n/a                                                                                                                                          | 5/5                 | 5/5                 | 1/5                 | 0/5                   | 0/5                   | n/a                   |
| A(H1N1)pdm09                   | A/Victoria/2570/2019  | 10 <sup>8.3</sup>                                                                                                                            | 2x10 <sup>7.3</sup> | 4x10 <sup>6.3</sup> | 8x10 <sup>5.3</sup> | 1.6x10 <sup>5.3</sup> | 3.2x10 <sup>4.3</sup> | n/a                   |
|                                |                       | n/a                                                                                                                                          | 5/5                 | 5/5                 | 5/5                 | 0/5                   | 0/5                   | n/a                   |
| A(H3N2)                        | A/California/122/2022 | 10 <sup>8.5</sup>                                                                                                                            | 2x10 <sup>7.5</sup> | 4x10 <sup>6.5</sup> | 8x10 <sup>5.5</sup> | 1.6x10 <sup>5.5</sup> | 3.2x10 <sup>4.5</sup> | 6.4x10 <sup>3.5</sup> |
|                                |                       | n/a                                                                                                                                          | 5/5                 | 5/5                 | 5/5                 | 5/5                   | 0/5                   | 0/5                   |
| A(H3N2)                        | A/Georgia/02/2022     | 10 <sup>9.5</sup>                                                                                                                            | 2x10 <sup>8.5</sup> | 4x10 <sup>7.5</sup> | 8x10 <sup>6.5</sup> | 1.6x10 <sup>6.5</sup> | 3.2x10 <sup>5.5</sup> | 6.4x10 <sup>4.5</sup> |
|                                |                       | n/a                                                                                                                                          | 5/5                 | 5/5                 | 5/5                 | 1/5                   | 0/5                   | 0/5                   |

Influenza virus B

| Influenza Virus (Type/Subtype) | Virus Strain Name        | Virus Serial Dilution Concentration (EID <sub>50</sub> /mL) and Number of Positive Results at Each Dilution (no. of positives /5 replicates) |                     |                     |                     |                        |                       |                       |                        |
|--------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|------------------------|-----------------------|-----------------------|------------------------|
| √ (Victoria lineage)           | B/Austria/1359417/2021   | 10 <sup>8.5</sup>                                                                                                                            | 2x10 <sup>7.5</sup> | 4x10 <sup>6.5</sup> | 8x10 <sup>5.5</sup> | 1.6x10 <sup>5.5</sup>  | 3.2x10 <sup>4.5</sup> | n/a                   | n/a                    |
|                                |                          | n/a                                                                                                                                          | 5/5                 | 5/5                 | 5/5                 | 0/5                    | 0/5                   | n/a                   | n/a                    |
| √ (Victoria lineage)           | B/Netherlands/10894/2022 | 10 <sup>8.7</sup>                                                                                                                            | 2x10 <sup>7.7</sup> | 4x10 <sup>6.7</sup> | 8x10 <sup>5.7</sup> | 1.6x 10 <sup>5.7</sup> | 3.2x10 <sup>4.7</sup> | 6.4x10 <sup>3.7</sup> | n/a                    |
|                                |                          | n/a                                                                                                                                          | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 0/5                   | 0/5                   | n/a                    |
| √ (Yamagata lineage)           | B/Phuket/3073/2013       | 10 <sup>9.5</sup>                                                                                                                            | 2x10 <sup>8.5</sup> | 4x10 <sup>7.5</sup> | 8x10 <sup>6.5</sup> | 1.6x10 <sup>6.5</sup>  | 3.2x10 <sup>5.5</sup> | 6.4x10 <sup>4.5</sup> | 1.28x10 <sup>4.5</sup> |
|                                |                          | n/a                                                                                                                                          | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 4/5                   | 0/5                   | 0/5                    |
| √ (Yamagata lineage)           | B/Norway/2134/2019       | 10 <sup>10</sup>                                                                                                                             | 2x10 <sup>9</sup>   | 4x10 <sup>8</sup>   | 8x10 <sup>7</sup>   | 1.6x10 <sup>7</sup>    | 3.2x10 <sup>6</sup>   | 6.4x10 <sup>5</sup>   | 1.28x10 <sup>5</sup>   |
|                                |                          | n/a                                                                                                                                          | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 5/5                   | 0/5                   | 0/5                    |

Using Aspirate sample method

Influenza virus A

| Influenza Virus (Type/Subtype) | Virus Strain Name     | Virus Serial Dilution Concentration (EID <sub>50</sub> /mL) and Number of Positive Results at Each Dilution (no. of positives /5 replicates) |                     |                     |                     |                       |                       |                       |                        |     |
|--------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------------|-----------------------|-----------------------|------------------------|-----|
| A(H1N1)pdm09                   | A/Victoria/4897/2022  | 10 <sup>8.5</sup>                                                                                                                            | 2x10 <sup>7.5</sup> | 4x10 <sup>6.5</sup> | 8x10 <sup>5.5</sup> | 1.6x10 <sup>5.5</sup> | 3.2x10 <sup>4.5</sup> | n/a                   | n/a                    | n/a |
|                                |                       | n/a                                                                                                                                          | 5/5                 | 5/5                 | 5/5                 | 0/5                   | 0/5                   | n/a                   | n/a                    | n/a |
| A(H1N1)pdm09                   | A/Victoria/2570/2019  | 10 <sup>8.3</sup>                                                                                                                            | 2x10 <sup>7.3</sup> | 4x10 <sup>6.3</sup> | 8x10 <sup>5.3</sup> | 1.6x10 <sup>5.3</sup> | 3.2x10 <sup>4.3</sup> | 6.4x10 <sup>3.3</sup> | n/a                    | n/a |
|                                |                       | n/a                                                                                                                                          | 5/5                 | 5/5                 | 5/5                 | 5/5                   | 0/5                   | 0/5                   | n/a                    | n/a |
| A(H3N2)                        | A/California/122/2022 | 10 <sup>8.5</sup>                                                                                                                            | 2x10 <sup>7.5</sup> | 4x10 <sup>6.5</sup> | 8x10 <sup>5.5</sup> | 1.6x10 <sup>5.5</sup> | 3.2x10 <sup>4.5</sup> | 6.4x10 <sup>3.5</sup> | 1.28x10 <sup>3.5</sup> | n/a |
|                                |                       | n/a                                                                                                                                          | 5/5                 | 5/5                 | 5/5                 | 5/5                   | 5/5                   | 0/5                   | 0/5                    | n/a |
| A(H3N2)                        | A/Georgia/02/2022     | 10 <sup>9.5</sup>                                                                                                                            | 2x10 <sup>8.5</sup> | 4x10 <sup>7.5</sup> | 8x10 <sup>6.5</sup> | 1.6x10 <sup>6.5</sup> | 3.2x10 <sup>5.5</sup> | 6.4x10 <sup>4.5</sup> | n/a                    | n/a |
|                                |                       | n/a                                                                                                                                          | 5/5                 | 5/5                 | 5/5                 | 5/5                   | 0/5                   | 0/5                   | n/a                    | n/a |

Influenza virus B

| Influenza Virus (Type/Subtype) | Virus Strain Name        | Virus Serial Dilution Concentration (EID <sub>50</sub> /mL) and Number of Positive Results at Each Dilution (no. of positives /5 replicates) |                     |                     |                     |                        |                       |                       |                        |                        |
|--------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|
| √ (Victoria lineage)           | B/Austria/1359417/2021   | 10 <sup>8.5</sup>                                                                                                                            | 2x10 <sup>7.5</sup> | 4x10 <sup>6.5</sup> | 8x10 <sup>5.5</sup> | 1.6x10 <sup>5.5</sup>  | 3.2x10 <sup>4.5</sup> | 6.4x10 <sup>3.5</sup> | n/a                    | n/a                    |
|                                |                          | n/a                                                                                                                                          | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 0/5                   | 0/5                   | n/a                    | n/a                    |
| √ (Victoria lineage)           | B/Netherlands/10894/2022 | 10 <sup>8.7</sup>                                                                                                                            | 2x10 <sup>7.7</sup> | 4x10 <sup>6.7</sup> | 8x10 <sup>5.7</sup> | 1.6x 10 <sup>5.7</sup> | 3.2x10 <sup>4.7</sup> | 6.4x10 <sup>3.7</sup> | 1.28x10 <sup>3.7</sup> | n/a                    |
|                                |                          | n/a                                                                                                                                          | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 5/5                   | 0/5                   | 0/5                    | n/a                    |
| √ (Yamagata lineage)           | B/Phuket/3073/2013       | 10 <sup>9.5</sup>                                                                                                                            | 2x10 <sup>8.5</sup> | 4x10 <sup>7.5</sup> | 8x10 <sup>6.5</sup> | 1.6x10 <sup>6.5</sup>  | 3.2x10 <sup>5.5</sup> | 6.4x10 <sup>4.5</sup> | 1.28x10 <sup>4.5</sup> | 2.56x10 <sup>3.5</sup> |
|                                |                          | n/a                                                                                                                                          | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 5/5                   | 5/5                   | 0/5                    | 0/5                    |
| √ (Yamagata lineage)           | B/Norway/2134/2019       | 10 <sup>10</sup>                                                                                                                             | 2x10 <sup>9</sup>   | 4x10 <sup>8</sup>   | 8x10 <sup>7</sup>   | 1.6x10 <sup>7</sup>    | 3.2x10 <sup>6</sup>   | 6.4x10 <sup>5</sup>   | 1.28x10 <sup>5</sup>   | 2.56x10 <sup>4</sup>   |
|                                |                          | n/a                                                                                                                                          | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 5/5                   | 2/5                   | 0/5                    | 0/5                    |

2023 Annual Reactivity Testing Results

The following tables summarize the results of annual reactivity testing performed using 2023 CDC influenza viruses panel (Cat: VP2023, Lot No.: VP2023-001, Exp. Date: 2024-06-01) as required by 21 CFR 866.3328(b).

Using Swab Sample method

Influenza virus A

| Influenza Virus<br>(Type/Subtype) | Virus Strain Name    | Virus Serial Dilution Concentration (EID <sub>50</sub> /mL)<br>and Number of Positive Results at Each Dilution (no. of positives /5 replicates) |                     |                     |                     |                       |                       |                       |
|-----------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------------|-----------------------|-----------------------|
|                                   |                      | 10 <sup>8.5</sup>                                                                                                                               | 2x10 <sup>7.5</sup> | 4x10 <sup>6.5</sup> | 8x10 <sup>5.5</sup> | 1.6x10 <sup>5.5</sup> | 3.2x10 <sup>4.5</sup> | n/a                   |
| A(H1N1)pdm09                      | A/Victoria/4897/2022 | 10 <sup>8.5</sup>                                                                                                                               | 2x10 <sup>7.5</sup> | 4x10 <sup>6.5</sup> | 8x10 <sup>5.5</sup> | 1.6x10 <sup>5.5</sup> | 3.2x10 <sup>4.5</sup> | n/a                   |
|                                   |                      | n/a                                                                                                                                             | 5/5                 | 5/5                 | 2/5                 | 0/5                   | 0/5                   | n/a                   |
| A(H1N1)pdm09                      | A/Victoria/2570/2019 | 10 <sup>8.3</sup>                                                                                                                               | 2x10 <sup>7.3</sup> | 4x10 <sup>6.3</sup> | 8x10 <sup>5.3</sup> | 1.6x10 <sup>5.3</sup> | 3.2x10 <sup>4.3</sup> | n/a                   |
|                                   |                      | n/a                                                                                                                                             | 5/5                 | 5/5                 | 3/5                 | 0/5                   | 0/5                   | n/a                   |
| A(H3N2)                           | A/Darwin/9/2021      | 10 <sup>8.3</sup>                                                                                                                               | 2x10 <sup>7.3</sup> | 4x10 <sup>6.3</sup> | 8x10 <sup>5.3</sup> | 1.6x10 <sup>5.3</sup> | 3.3x10 <sup>4.3</sup> | 6.4x10 <sup>3.3</sup> |
|                                   |                      | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 5/5                   | 0/5                   | 0/5                   |
| A(H3N2)                           | A/Georgia/02/2022    | 10 <sup>9.5</sup>                                                                                                                               | 2x10 <sup>8.5</sup> | 4x10 <sup>7.5</sup> | 8x10 <sup>6.5</sup> | 1.6x10 <sup>6.5</sup> | 3.5x10 <sup>5.5</sup> | n/a                   |
|                                   |                      | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 0/5                   | 0/5                   | n/a                   |

Influenza virus B

| Influenza Virus<br>(Type/Subtype) | Virus Strain Name        | Virus Serial Dilution Concentration (EID <sub>50</sub> /mL)<br>and Number of Positive Results at Each Dilution (no. of positives /5 replicates) |                     |                     |                     |                        |                       |                       |                        |
|-----------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|------------------------|-----------------------|-----------------------|------------------------|
|                                   |                          | 10 <sup>8.5</sup>                                                                                                                               | 2x10 <sup>7.5</sup> | 4x10 <sup>6.5</sup> | 8x10 <sup>5.5</sup> | 1.6x10 <sup>5.5</sup>  | 3.2x10 <sup>4.5</sup> | n/a                   | n/a                    |
| √ (Victoria lineage)              | B/Austria/1359417/2021   | 10 <sup>8.5</sup>                                                                                                                               | 2x10 <sup>7.5</sup> | 4x10 <sup>6.5</sup> | 8x10 <sup>5.5</sup> | 1.6x10 <sup>5.5</sup>  | 3.2x10 <sup>4.5</sup> | n/a                   | n/a                    |
|                                   |                          | n/a                                                                                                                                             | 5/5                 | 5/5                 | 1/5                 | 0/5                    | 0/5                   | n/a                   | n/a                    |
| √ (Victoria lineage)              | B/Netherlands/10894/2022 | 10 <sup>8.7</sup>                                                                                                                               | 2x10 <sup>7.7</sup> | 4x10 <sup>6.7</sup> | 8x10 <sup>5.7</sup> | 1.6x 10 <sup>5.7</sup> | 3.2x10 <sup>4.7</sup> | n/a                   | n/a                    |
|                                   |                          | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 0/5                    | 0/5                   | n/a                   | n/a                    |
| √ (Yamagata lineage)              | B/Phuket/3073/2013       | 10 <sup>7.8</sup>                                                                                                                               | 2x10 <sup>6.8</sup> | 4x10 <sup>5.8</sup> | 8x10 <sup>4.8</sup> | 1.6x10 <sup>4.8</sup>  | 3.2x10 <sup>3.8</sup> | n/a                   | n/a                    |
|                                   |                          | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 0/5                    | 0/5                   | n/a                   | n/a                    |
| √ (Yamagata lineage)              | B/Norway/2134/2019       | 10 <sup>9.5</sup>                                                                                                                               | 2x10 <sup>8.5</sup> | 4x10 <sup>7.5</sup> | 8x10 <sup>6.5</sup> | 1.6x10 <sup>6.5</sup>  | 3.2x10 <sup>5.5</sup> | 6.4x10 <sup>4.5</sup> | 1.28x10 <sup>4.5</sup> |
|                                   |                          | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 2/5                   | 0/5                   | 0/5                    |

Using Aspirate sample method

Influenza virus A

| Influenza Virus<br>(Type/Subtype) | Virus Strain Name    | Virus Serial Dilution Concentration (EID <sub>50</sub> /mL)<br>and Number of Positive Results at Each Dilution (no. of positives /5 replicates) |                     |                     |                     |                       |                       |                       |                        |                        |
|-----------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|
|                                   |                      | 10 <sup>8.5</sup>                                                                                                                               | 2x10 <sup>7.5</sup> | 4x10 <sup>6.5</sup> | 8x10 <sup>5.5</sup> | 1.6x10 <sup>5.5</sup> | 3.2x10 <sup>4.5</sup> | n/a                   | n/a                    | n/a                    |
| A(H1N1)pdm09                      | A/Victoria/4897/2022 | 10 <sup>8.5</sup>                                                                                                                               | 2x10 <sup>7.5</sup> | 4x10 <sup>6.5</sup> | 8x10 <sup>5.5</sup> | 1.6x10 <sup>5.5</sup> | 3.2x10 <sup>4.5</sup> | n/a                   | n/a                    | n/a                    |
|                                   |                      | n/a                                                                                                                                             | 5/5                 | 5/5                 | 4/5                 | 0/5                   | 0/5                   | n/a                   | n/a                    | n/a                    |
| A(H1N1)pdm09                      | A/Victoria/2570/2019 | 10 <sup>8.3</sup>                                                                                                                               | 2x10 <sup>7.3</sup> | 4x10 <sup>6.3</sup> | 8x10 <sup>5.3</sup> | 1.6x10 <sup>5.3</sup> | 3.2x10 <sup>4.3</sup> | 6.4x10 <sup>3.3</sup> | n/a                    | n/a                    |
|                                   |                      | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 4/5                   | 0/5                   | 0/5                   | n/a                    | n/a                    |
| A(H3N2)                           | A/Darwin/9/2021      | 10 <sup>8.3</sup>                                                                                                                               | 2x10 <sup>7.3</sup> | 4x10 <sup>6.3</sup> | 8x10 <sup>5.3</sup> | 1.6x10 <sup>5.3</sup> | 3.3x10 <sup>4.3</sup> | 6.4x10 <sup>3.3</sup> | 1.28x10 <sup>3.3</sup> | 2.56x10 <sup>2.3</sup> |
|                                   |                      | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 5/5                   | 5/5                   | 2/5                   | 0/5                    | 0/5                    |
| A(H3N2)                           | A/Georgia/02/2022    | 10 <sup>9.5</sup>                                                                                                                               | 2x10 <sup>8.5</sup> | 4x10 <sup>7.5</sup> | 8x10 <sup>6.5</sup> | 1.6x10 <sup>6.5</sup> | 3.5x10 <sup>5.5</sup> | 6.4x10 <sup>4.5</sup> | 1.28x10 <sup>4.5</sup> | n/a                    |
|                                   |                      | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 5/5                   | 2/5                   | 0/5                   | 0/5                    | n/a                    |

Influenza virus B

| Influenza Virus<br>(Type/Subtype) | Virus Strain Name        | Virus Serial Dilution Concentration (EID <sub>50</sub> /mL)<br>and Number of Positive Results at Each Dilution (no. of positives /5 replicates) |                     |                     |                     |                        |                       |                       |                        |                        |
|-----------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|
|                                   |                          | 10 <sup>8.5</sup>                                                                                                                               | 2x10 <sup>7.5</sup> | 4x10 <sup>6.5</sup> | 8x10 <sup>5.5</sup> | 1.6x10 <sup>5.5</sup>  | 3.2x10 <sup>4.5</sup> | 6.4x10 <sup>3.5</sup> | n/a                    | n/a                    |
| √ (Victoria lineage)              | B/Austria/1359417/2021   | 10 <sup>8.5</sup>                                                                                                                               | 2x10 <sup>7.5</sup> | 4x10 <sup>6.5</sup> | 8x10 <sup>5.5</sup> | 1.6x10 <sup>5.5</sup>  | 3.2x10 <sup>4.5</sup> | 6.4x10 <sup>3.5</sup> | n/a                    | n/a                    |
|                                   |                          | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 1/5                    | 0/5                   | 0/5                   | n/a                    | n/a                    |
| √ (Victoria lineage)              | B/Netherlands/10894/2022 | 10 <sup>8.7</sup>                                                                                                                               | 2x10 <sup>7.7</sup> | 4x10 <sup>6.7</sup> | 8x10 <sup>5.7</sup> | 1.6x 10 <sup>5.7</sup> | 3.2x10 <sup>4.7</sup> | 6.4x10 <sup>3.7</sup> | n/a                    | n/a                    |
|                                   |                          | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 0/5                   | 0/5                   | n/a                    | n/a                    |
| √ (Yamagata lineage)              | B/Phuket/3073/2013       | 10 <sup>7.8</sup>                                                                                                                               | 2x10 <sup>6.8</sup> | 4x10 <sup>5.8</sup> | 8x10 <sup>4.8</sup> | 1.6x10 <sup>4.8</sup>  | 3.2x10 <sup>3.8</sup> | 6.4x10 <sup>2.8</sup> | 1.28x10 <sup>2.8</sup> | n/a                    |
|                                   |                          | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 2/5                   | 0/5                   | 0/5                    | n/a                    |
| √ (Yamagata lineage)              | B/Norway/2134/2019       | 10 <sup>9.5</sup>                                                                                                                               | 2x10 <sup>8.5</sup> | 4x10 <sup>7.5</sup> | 8x10 <sup>6.5</sup> | 1.6x10 <sup>6.5</sup>  | 3.2x10 <sup>5.5</sup> | 6.4x10 <sup>4.5</sup> | 1.28x10 <sup>4.5</sup> | 2.56x10 <sup>3.5</sup> |
|                                   |                          | n/a                                                                                                                                             | 5/5                 | 5/5                 | 5/5                 | 5/5                    | 5/5                   | 2/5                   | 0/5                    | 0/5                    |