20200525 nCoV NP limiting dilution

* Positive control:

Anti-NP sera 1:1000

* Negative control:

Culture medium

* Plate layout:

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A |  |  |  |  |  |  |  |  |  |  |  |  |
| B | 4G12  A5 | 4G12  A6 | 4G12  B8 | 4G12  C3 | 4G12  D10 | 4G12  G3 | 4G12  G4 | 4G12  G9 | 5B10  A1 | 5B10  A8 | 5B10  B6 | 5B10  D5 |
| C | 5B10  D8 | 5B10  D11 | 5B10  F10 | 5B10  F12 | 5B10  G4 | 5B10  G10 | 5B10  H3 | 5B10  H4 | 6C3  A7 | 6C3  B1 | 6C3  B10 | 6C3  D1 |
| D | 6C3  D7 | 6C3  G9 | 6C3  G12 | 6C4  C1 | 6C4  F12 | 1A7  B2 | 1A7  B5 | 1A7  C10 | 1A7  D1 | 1A7  D3 | 1A7  F6 | 1A7  F8 |
| E | 1A7  G9 | 1A7  G11 | 1A7  H3 | 1A7  H8 | 1A7  H9 | 1A7  H10 | 1A7  H11 | 2A4  G11 | 5A7  B8 | 5A7  C4 | 5A7  D5 | 5A7  E2 |
| F | 5A7  E4 | 5A7  F6 | 5A7  F8 | 5A7  G6 | 5A7  G9 | 5A7  H10 | positive | negative | 4G12  A8 |  |  |  |
| G |  |  |  |  |  |  |  |  |  |  |  |  |
| H |  |  |  |  |  |  |  |  |  |  |  |  |

* Result:

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| <> | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 0.005 | 0.004 | 0.002 | 0.006 | 0.006 | 0.005 | 0.005 | 0.004 | 0.004 | 0.006 | 0.005 | 0.003 |
| B | 0.044 | 0.029 | 0.024 | 0.019 | 0.089 | 0.022 | 0.101 | 0.023 | 0.035 | 0.028 | 0.033 | 0.03 |
| C | 0.03 | 0.026 | 0.027 | 0.018 | 0.017 | 0.025 | 0.023 | 0.023 | 0.022 | 0.034 | 3.592 | 0.03 |
| D | 2.851 | 3.1 | 0.032 | 0.018 | 0.017 | 1.225 | 1.233 | 1.361 | 1.522 | 1.201 | 1.844 | 1.927 |
| E | 0.725 | 0.02 | 0.547 | 1.004 | 1.299 | 0.629 | 0.23 | 2.266 | 0.023 | 0.027 | 0.024 | 0.049 |
| F | 0.029 | 0.029 | 0.023 | 0.02 | 0.023 | 0.028 | 3.46 | 0.017 | 0.017 | 0.005 | 0.004 | 0.007 |
| G | 0.006 | 0.004 | 0.004 | 0.002 | 0.004 | 0.005 | 0.003 | 0.005 | 0.006 | 0.006 | 0.006 | 0.004 |
| H | 0.004 | 0.004 | 0.006 | 0.004 | 0.005 | 0.004 | 0.003 | 0.004 | 0.005 | 0.004 | 0.003 | 0.004 |