

TEST REPORT

| Report Number | COA_INVITRO_20230504_AVT_EN_01 | |
|---------------------------|--------------------------------------------------------|--|
| Client | NAEWOIKOREA | |
| Date | May 04, 2023 | |
| Test Type | Antiviral testing | |
| Test Specimen | NWK A-FV | |
| Testing System | Virus: Infectious bronchitis virus Host cell: Vero | |
| Testing Method ASTM E1052 | | |

| Test Result | | | | |
|------------------------------|----------------|----------------------------|------------------------|--|
| Concentration (Contact time) | | Log reduction ¹ | % reduction | |
| 25% (2 hours) | | 1.2 | 93.3 | |
| (+) 2-1 | | Infectivity titer (PFU/ml) | \rightarrow Γ | |
| | Control group | 4.1 x 1 | 0^7 | |
| | Experimental g | 2.8 x 1 | 0^6 | |

¹Log reduction of test group (Number of plaques in virus contact with test specimen) compared to control group (Number of plaques in virus without contact)

- ※ Log reduction conversion to percentage (%)
- 1. 1 log reduction = 90% reduction
- 2. 2 log reduction = 99% reduction
- 3. 3 log reduction = 99.9% reduction
- 4. 4 log reduction = 99.99% reduction
- 5. 5 log reduction = 99.999% reduction







| Test Images | | |
|------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Specimen | | TO THE ACT OF THE PROPERTY OF |
| Group | | Plaque images |
| Virus (-) | | |
| Control Viens (+) | (10 ⁻⁴) | |
| Control Virus (+) | (10 ⁻⁵) | |
| Experimental Virus (+) | (10-4) | |
| | (10-5) | |



TEST REPORT

| Report Number | COA_INVITRO_20230504_AVT_EN_02 | |
|-----------------------|------------------------------------------------------------|--|
| Client | NAEWOIKOREA | |
| Date | May 04, 2023 | |
| Test Type | Antiviral testing | |
| Test Specimen | NWK A-FV | |
| Testing System | Virus: Infectious bursal disease virus Host cell: Vero | |
| Testing Method | Testing Method ASTM E1052 | |

| Test Result | | | | | |
|------------------------------|----------------|----------------------------|---------------|-------------|--|
| Concentration (Contact time) | | Log reduction ¹ | | % reduction | |
| 25% (2 hours) | | 1.4 | | 95.6 | |
| | | | iter (PFU/ml) | | |
| | Control group | | 8.9 x 10 |)7 | |
| | Experimental g | group | 3.9 x 10 | 96 | |

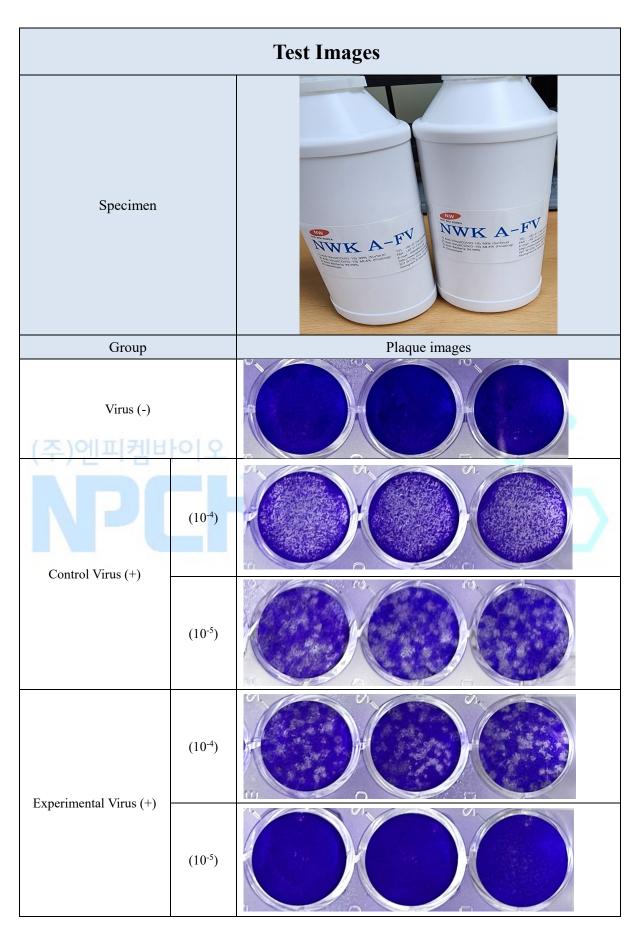
¹Log reduction of test group (Number of plaques in virus contact with test specimen) compared to control group (Number of plaques in virus without contact)

- ※ Log reduction conversion to percentage (%)
- 1. 1 log reduction = 90% reduction
- 2. 2 log reduction = 99% reduction
- 3. 3 log reduction = 99.9% reduction
- 4. 4 log reduction = 99.99% reduction
- 5. 5 log reduction = 99.999% reduction











TEST REPORT

| Report Number | COA_INVITRO_20230504_AVT_EN_03 | |
|----------------|------------------------------------------------------------------|--|
| Client | NAEWOIKOREA | |
| Date | May 04, 2023 | |
| Test Type | Antiviral testing | |
| Test Specimen | NWK A-FV | |
| Testing System | em 1. Virus: Porcine epidemic diarrhea virus 2. Host cell: Vero | |
| Testing Method | Testing Method ASTM E1052 | |

| Test Result | | | | | |
|------------------------------|----------------|----------------------------|---------------|-------------|--|
| Concentration (Contact time) | | Log reduction ¹ | | % reduction | |
| 25% (2 hours) | | 2.2 | | 99.3 | |
| (+/2-1 | | | iter (PFU/ml) | | |
| | Control group | | 2.2 x 10 | 96 | |
| | Experimental g | group | 1.5 x 10 |)4 | |

¹Log reduction of test group (Number of plaques in virus contact with test specimen) compared to control group (Number of plaques in virus without contact)

- ※ Log reduction conversion to percentage (%)
- 1. 1 log reduction = 90% reduction
- 2. 2 log reduction = 99% reduction
- 3. 3 log reduction = 99.9% reduction
- 4. 4 log reduction = 99.99% reduction
- 5. 5 log reduction = 99.999% reduction







| Test Images | | | |
|------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Specimen | | THE MANUAL A-FV THE MA | |
| Group | | Plaque images | |
| Virus (-) | | | |
| Control Virus (+) | (10 ⁻⁴) | | |
| | (10 ⁻⁵) | | |
| Experimental Virus (+) | (10 ⁻³) | | |
| | (10-4) | | |