Supplementary table 1. TCID50 of trVLPs calculated by Reed-Muench method.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Dilution of trVLPs  | Counts ofCPE wells | Counts without CPE wells | Accumulation of CPE wells | Accumulation without CPE wells  | Percentage of CPE wells (%) |
| 10-1 | 7 | 1 | 19 | 1 | 95.2（20/21） |
| 10-2 | 5 | 3 | 12 | 4 | 75.0（12/16） |
| 10-3 | 4 | 4 | 7 | 8 | 46.7（7/15） |
| 10-4 | 2 | 7 | 3 | 15 | 16.7（3/18） |
| 10-5 | 1 | 8 | 1 | 23 | 4.2（1/24） |
| 10-6 | 0 | 8 | 0 | 31 | 0（0/31） |
| 10-7 | 0 | 8 | 0 | 　 | 　 |

Cytopathic effect (CPE) =（75-50）/（75-46.7）= 25 / 28.3 = 0.88

lgTCID50=0.88×（-2）+（-2）= -3.76

TCID50=103.76/ 0.1ml