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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Serum Group** | **Antigen type** | **GMT** | | | **Mean Omicron fold drop from** | | **Mean fold drop to WT** |
| **WT** | **Delta** | **Omicron** | **WT** | **Delta** | **Delta** |
| **2x Vax** | Live-virus | 199 (126; 314) | 68 (37; 125) | 11 (8; 15) | 16.9 (12.6; 22.7) | 7.7 (5.6; 10.5) | 2.9 (2.2; 3.8) |
| Lentiviral | 309 (180; 531) | 193 (109; 340) | 17 (11; 24) | 18.4 (12; 28.3) | 6.4 (4.1; 9.8) | 3.3 (2.1; 5) |
| Lenti-CMV | 253 (163; 394) | 71 (43; 118) | 21 (19; 24) | 11.8 (6.2; 22.5) | 3.3 (1.6; 7.1) | 3.5 (1.7; 7.5) |
| VSV | 469 (275; 800) | 245 (151; 399) | 33 (19; 57) | 14.9 (10.9; 20.5) | 9.5 (5.9; 15.4) | 1.9 (1.2; 2.8) |
| HIV-1 | 1364 (549; 3390) | 138 (NA; NA) | 36 (15; 90) | 35.2 (7.2; 172.6) | 1.9 (NA; NA) | 3.2 (NA; NA) |
| Pseudovirus | 182 (44; 761) |  | 16 (12; 22) | 11.3 (0; 357973.6) |  |  |
| **3x Vax** | Live-virus | 964 (544; 1710) | 202 (93; 438) | 90 (52; 155) | 10.9 (8.5; 13.9) | 7 (4; 12) | 2.8 (1.9; 4) |
| Lentiviral | 2159 (1439; 3240) | 2256 (1443; 3528) | 422 (257; 692) | 5.1 (4; 6.7) | 2.4 (1.4; 4.1) | 2.4 (1.6; 3.7) |
| VSV | 995 (317; 3122) | 372 (189; 729) | 212 (85; 525) | 4.9 (2; 12.2) | 2.6 (1.9; 3.6) | 1.6 (0.4; 6.5) |
| HIV-1 | 65617 (NA; NA) |  | 3871 (NA; NA) | 18 (NA; NA) |  |  |
| Pseudovirus | 1049 (746; 1476) |  | 240 (150; 383) | 4.4 (1.4; 14) |  |  |
| **Inf + 2x Vax** | Live-virus | 1035 (589; 1818) | 556 (188; 1640) | 77 (45; 132) | 13.9 (10.7; 18.1) | 4.8 (3.4; 6.9) | 2 (0.9; 4.4) |
| Lentiviral | 6900 (4931; 9655) | 2171 (621; 7586) | 1284 (408; 4042) | 5.4 (1.5; 20) | 3.5 (0; 292.6) | 2.9 (0.4; 22.3) |
| VSV | 2722 (1895; 3910) | 860 (575; 1286) | 668 (324; 1379) | 4.2 (1.1; 16) | 1.2 (0.2; 7.2) | 3.3 (2.6; 4.1) |
| HIV-1 | 388872 (NA; NA) |  | 8106 (NA; NA) | 49 (NA; NA) |  |  |
| **2x Vax + Inf** | Live-virus | 1291 (857; 1945) | 688 (360; 1316) | 43 (11; 161) | 19.2 (5.7; 64.8) | 10.7 (2.8; 40.5) | 1.4 (0.4; 4.9) |
| Lentiviral | 1583 (493; 5086) | 622 (167; 2322) | 63 (43; 93) | 25 (2.5; 252.7) | 8.1 (0.1; 521.6) | 3.5 (2.3; 5.5) |
| VSV |  |  |  | 9.7 (NA; NA) |  |  |
| HIV-1 | 2239 (281; 17818) | 509 (136; 1914) | 2672 (1010; 7069) | 0.9 (0; 17358.4) | 0.2 (0; 4.8) | 4.4 (0; 4287.2) |
| **WT conv** | Live-virus | 163 (75; 355) | 65 (21; 200) | 13 (5; 29) | 12.4 (8; 19.3) | 5.5 (3; 10) | 3 (1.6; 5.6) |
| Lentiviral | 498 (251; 988) | 490 (158; 1523) | 23 (13; 41) | 21.8 (10; 47.5) | 20.5 (6; 70.6) | 1.5 (1; 2.2) |
| VSV | 506 (222; 1152) | 130 (62; 272) | 23 (9; 59) | 17.1 (8.4; 34.7) | 21.4 (0.1; 6964.8) | 2.4 (0.5; 11.1) |
| HIV-1 | 2076 (1690; 2550) |  | 73 (42; 126) | 43.1 (20.6; 90.1) |  |  |
| **Alpha conv** | Live-virus | 99 (13; 784) | 24 (3; 193) | 4 (1; 26) | 25.2 (6.6; 96.1) | 5.1 (0.9; 30) | 5.6 (0.8; 41.3) |
| Lentiviral | 1015 (112; 9193) | 619 (85; 4498) | 32 (11; 97) | 31.9 (0; 710049.6) | 19.4 (0; 58637.1) | 1.6 (0.2; 12.4) |
| **Beta conv** | Live-virus | 24 (3; 194) | 12 (3; 55) | 4 (1; 19) | 6.4 (1.4; 28.8) | 2.7 (0.7; 10.2) | 3.4 (0.8; 14.7) |
| Lentiviral | 76 (7; 866) | 59 (6; 540) | 14 (0; 526) | 5.5 (0; 328653.1) | 4.3 (0; 2073591.2) | 1.3 (0.2; 10.2) |
| **Gamma conv** | Live-virus | 40 (16; 102) | 9 (2; 41) | 7 (1; 40) | 5.7 (0; 7877.9) | 1.3 (0.1; 11.4) | 4.3 (0; 629) |
| Lentiviral | 48 (NA; NA) | 29 (NA; NA) | 25 (NA; NA) | 1.9 (NA; NA) | 1.1 (NA; NA) | 1.7 (NA; NA) |
| **Delta conv** | Live-virus | 34 (22; 53) | 269 (91; 795) | 9 (2; 41) | 3.7 (0; 81963.2) | 30.8 (11.9; 79.4) | 0.2 (0; 5096.7) |
| Lentiviral | 651 (111; 3821) | 2762 (389; 19594) | 104 (38; 285) | 6.3 (1.3; 30.4) | 26.5 (3.7; 188.1) | 0.2 (0.1; 0.8) |