|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1**  **0 VIRUS** | **2**  **1 VIRUS** | **3**  **2 VIRUS** | **4**  **3 VIRUS** | **5**  **4 VIRUS** | **6**  **5 VIRUS** | **7** | **8** | **9** | **10** | **11** | **12** |
| **A**  **0% DMSO** | 0% DMSO  0 VIRUS | 0% DMSO  1 VIRUS | 0% DMSO  2 VIRUS | 0% DMSO  3 VIRUS | 0% DMSO  4 VIRUS | 0% DMSO  5 VIRUS |  |  |  |  |  |  |
| **B**  **0% DMSO** | 0% DMSO  0 VIRUS | 0% DMSO  1 VIRUS | 0% DMSO  2 VIRUS | 0% DMSO  3 VIRUS | 0% DMSO  4 VIRUS | 0% DMSO  5 VIRUS |  |  |  |  |  |  |
| **C**  **4% DMSO** | 4% DMSO  0 VIRUS | 4% DMSO  1 VIRUS | 4% DMSO  2 VIRUS | 4% DMSO  3 VIRUS | 4% DMSO  4 VIRUS | 4% DMSO  5 VIRUS |  |  |  |  |  |  |
| **D**  **4% DMSO** | 4% DMSO  0 VIRUS | 4% DMSO  1 VIRUS | 4% DMSO  2 VIRUS | 4% DMSO  3 VIRUS | 4% DMSO  4 VIRUS | 4% DMSO  5 VIRUS |  |  |  |  |  |  |
| **E**  **7% DMSO** | 7% DMSO  0 VIRUS | 7% DMSO  1 VIRUS | 7% DMSO  2 VIRUS | 7% DMSO  3 VIRUS | 7% DMSO  4 VIRUS | 7% DMSO  5 VIRUS |  |  |  |  |  |  |
| **F**  **7% DMSO** | 7% DMSO  0 VIRUS | 7% DMSO  1 VIRUS | 7% DMSO  2 VIRUS | 7% DMSO  3 VIRUS | 7% DMSO  4 VIRUS | 7% DMSO  5 VIRUS |  |  |  |  |  |  |
| **G**  **10% DMSO** | 10% DMSO  0 VIRUS | 10% DMSO  1 VIRUS | 10% DMSO  2 VIRUS | 10% DMSO  3 VIRUS | 10% DMSO  4 VIRUS | 10% DMSO  5 VIRUS |  |  |  |  |  |  |
| **H**  **10% DMSO** | 10% DMSO  0 VIRUS | 10% DMSO  1 VIRUS | 10% DMSO  2 VIRUS | 10% DMSO  3 VIRUS | 10% DMSO  4 VIRUS | 10% DMSO  5 VIRUS |  |  |  |  |  |  |

Split the DMSO Portions and Virus portions into equal 50uL vials added together to equal 100uL per well

|  |  |  |
| --- | --- | --- |
| Condition | Volume of Virus | Volume of media |
| 0 | 0 | 500 |
| 1 | 10 | 490 |
| 2 | 20 | 480 |
| 3 | 30 | 470 |
| 4 | 40 | 460 |
| 5 | 50 | 450 |
| Total | 150uL | 2850uL |

DMSO condition make 15 wells worth (15x50=750uL)

Virus make 10 wells worth (10x50=500uL)

|  |  |  |
| --- | --- | --- |
| Condition | Volume of DMSO | Volume of media |
| 0% | 0 | 750 |
| 4% | 30 | 720 |
| 7% | 52.5 | 697.5 |
| 10% | 75 | 675 |
| Total | 157.5uL | 2842.5uL |