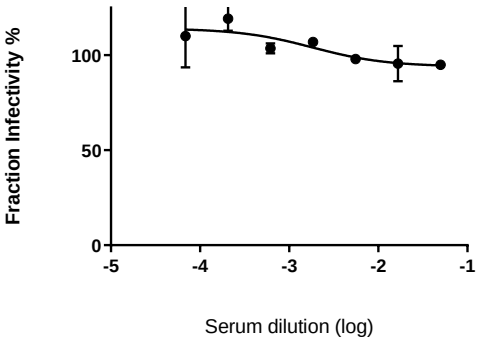
Supplementary Figure 1:

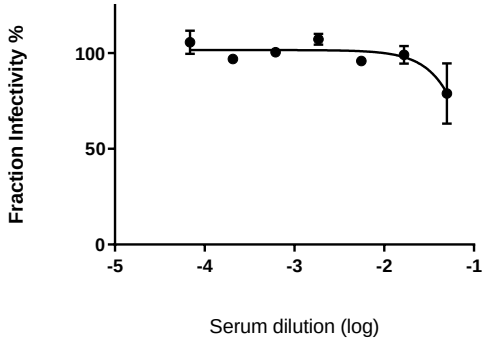
Inhibition curve (neutralization activity) of patient serum samples against SARS-CoV-2 Spikedelta21-D614G pseudotyped lentiviral particles with Luciferase-IReS-ZsGreen backbone (gifts from Dr. Jesse Bloom). The Fraction infectivity of each dilution point is calculated by % reduction of RLU (relative light units) compare to the negative controls. SPSS program was used to calculate the IC50 (Half-maximal inhibitory concentration) and IC80 (80% inhibitory concentration). ND50 (50% neutralization dilution) and ND80 (80% neutralization dilution) were calculated as the reciprocal of IC50 and IC80.

Subject inhibition curves depicted by Visit number: Visit 1 (prevaccine), Visit 2 (1 month after 1st vaccine), Visit 3 (3 months after 1st vaccine), Visit 4 (6 months after 1st vaccine).

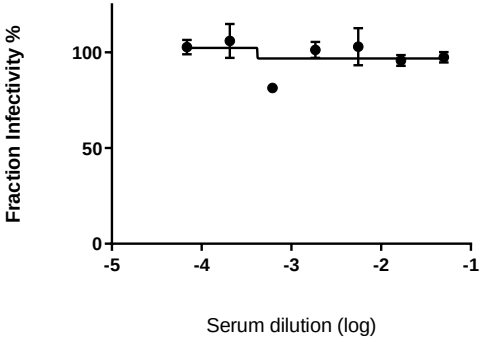
A001
Visit 1



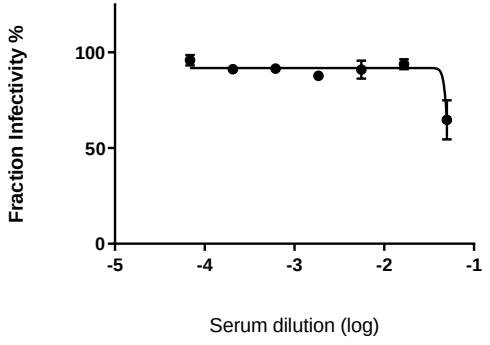
A001
Visit 2



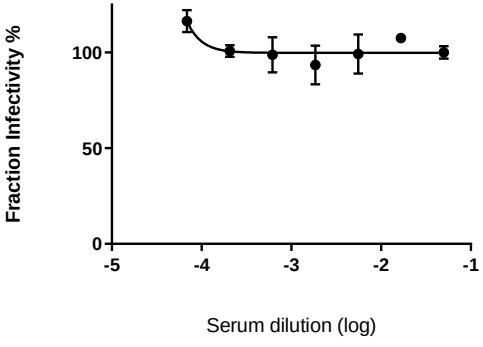
A001
Visit 3



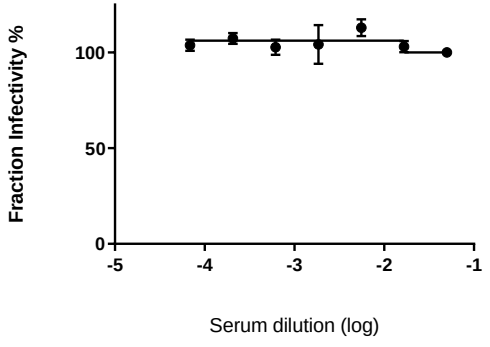
A002
Visit 1



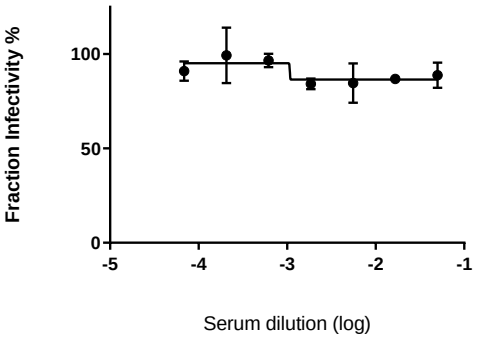
A002
Visit 2



A002
Visit 3

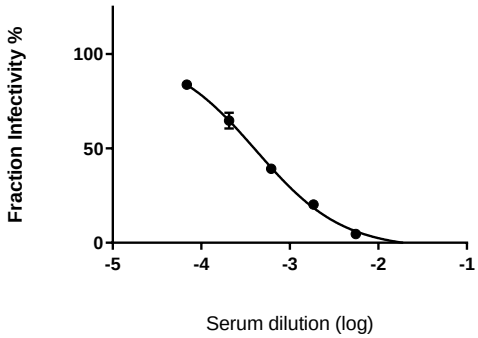


A004
Visit 1



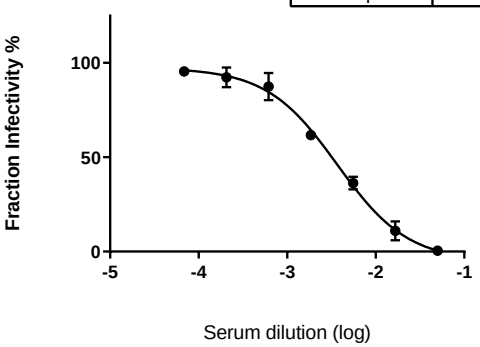
A004
Visit 2

ND50	2520
ND80	593.0
R squared	0.9966



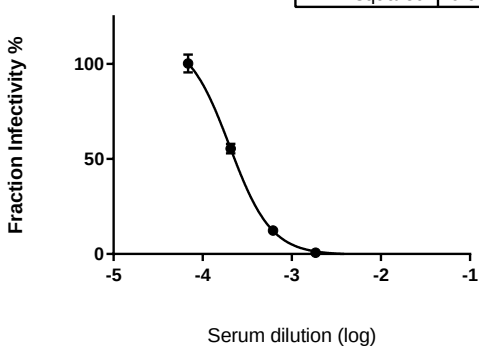
A004
Visit 3

ND50	312.6
ND80	96.89
R squared	0.9918

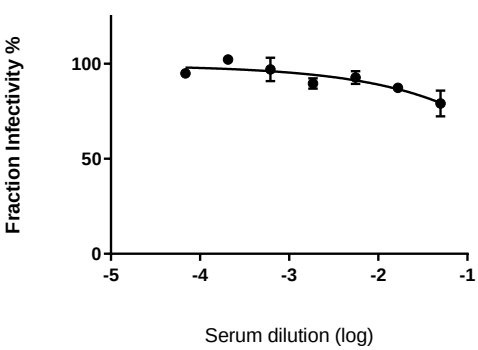


A004
Visit 4

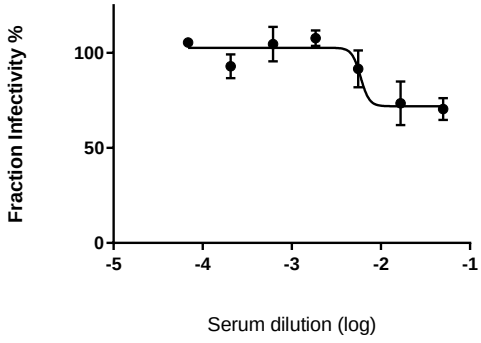
ND50	4381
ND80	2194
R squared	0.9982



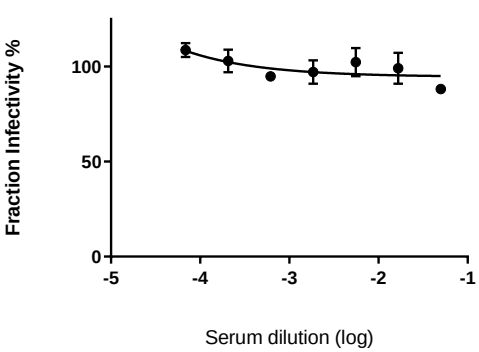
A005
Visit 1



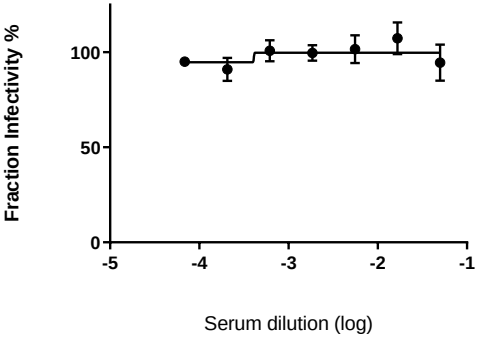
A005
Visit 2



A005
Visit 3

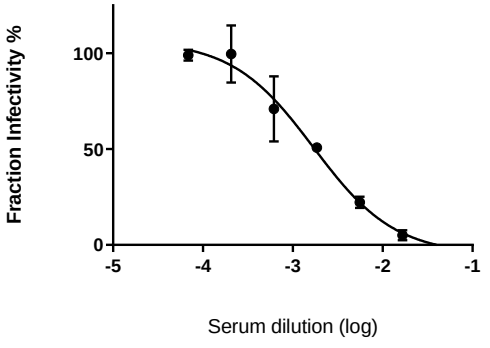


A006
Visit 1



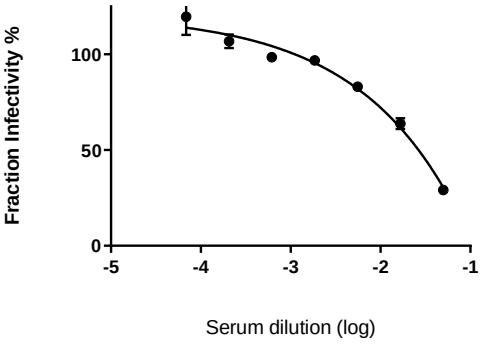
A006
Visit 2

ND50	569.9
ND80	161.2
R squared	0.9685



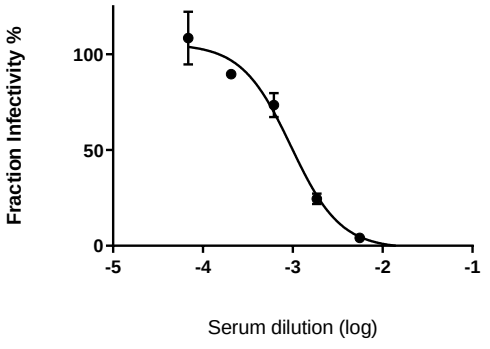
A006
Visit 3

ND50	37.74
ND80	15.04
R squared	0.9742

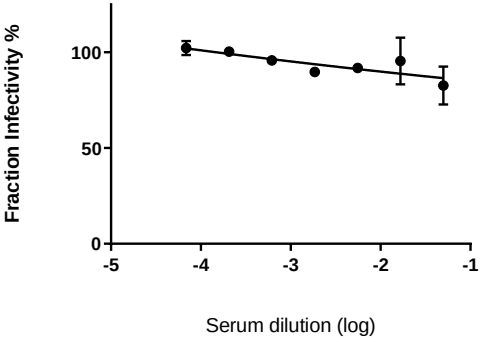


A006
Visit 4

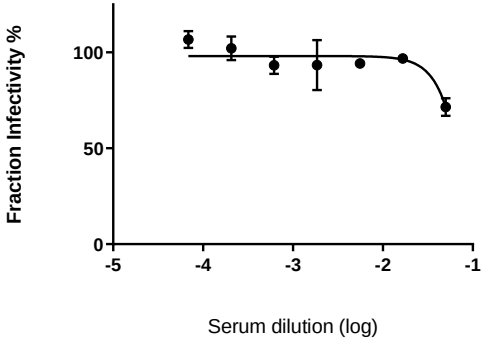
ND50	998.8
ND80	437.6
R squared	0.9840



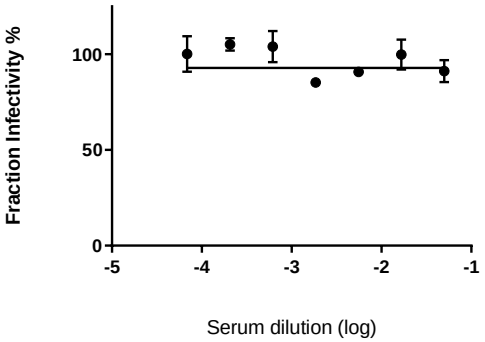
A008
Visit 1



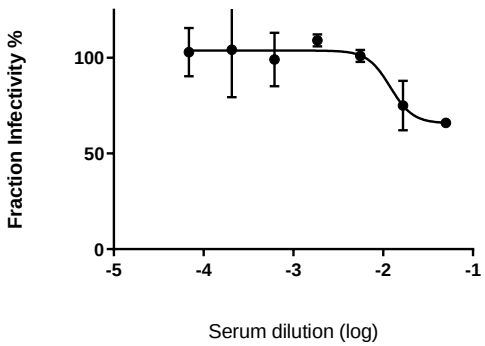
A008
Visit 2



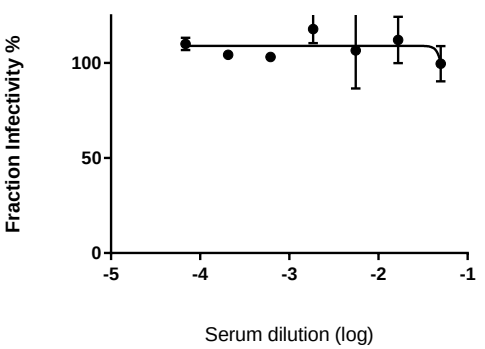
A009
Visit 1



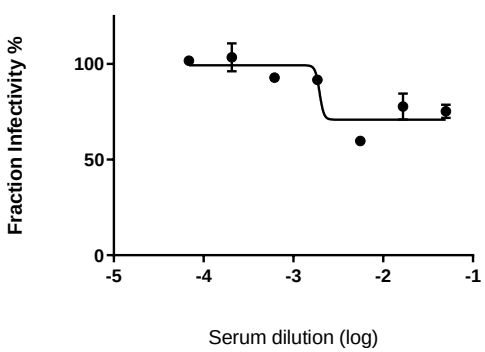
A009
Visit 2



A009
Visit 3

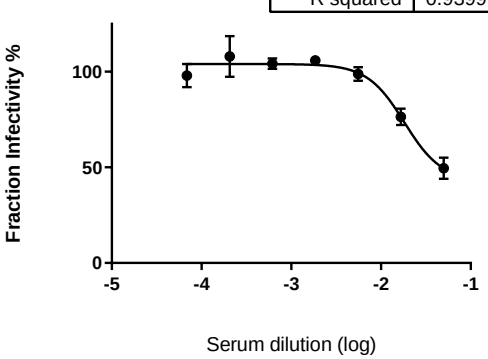


A011
Visit 1

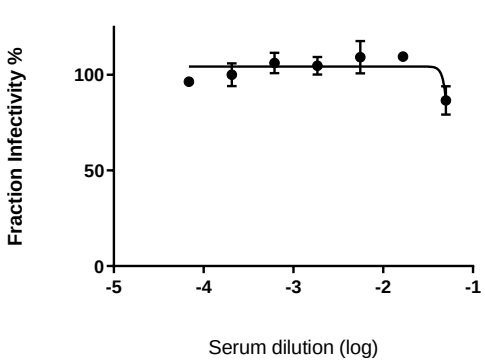


A011
Visit 2

ND50	20.78
ND80	0.000
R squared	0.9399

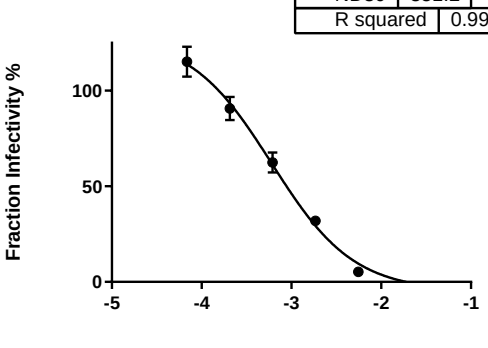


A011
Visit 3

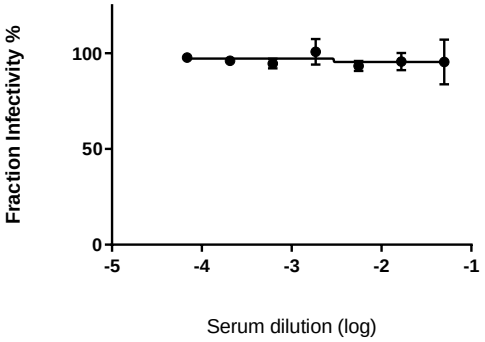


A011
Visit 4

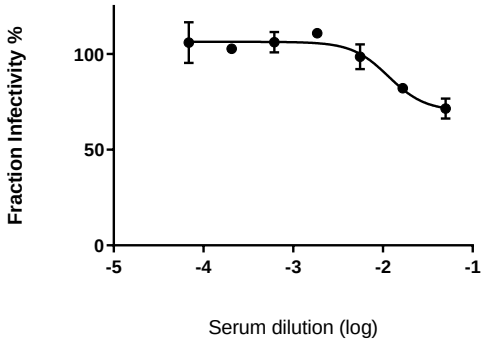
ND50	1133
ND80	351.2
R squared	0.9917



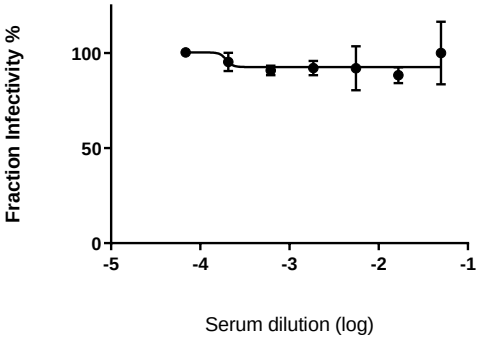
B001
Visit 1



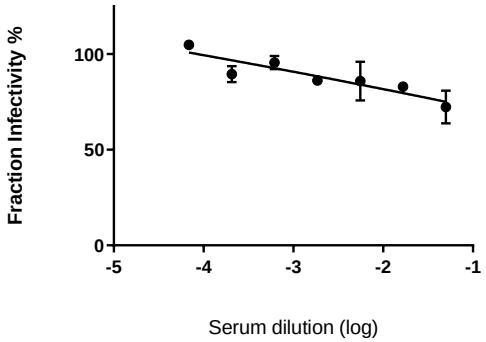
B001
Visit 2



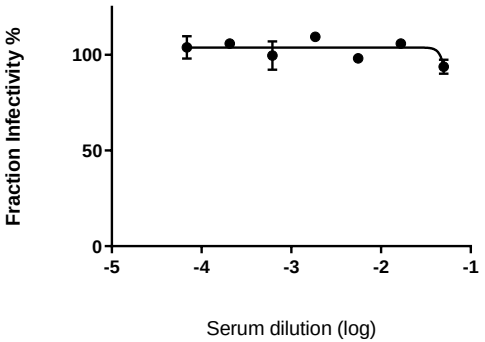
B001
Visit 3



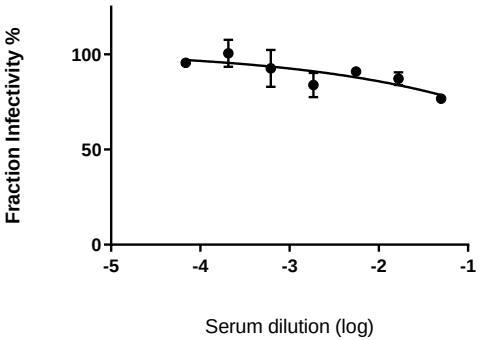
B002
Visit 1



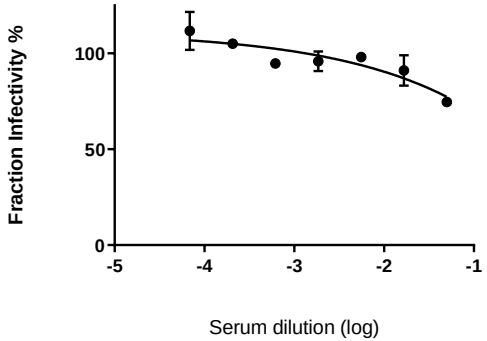
B002
Visit 2



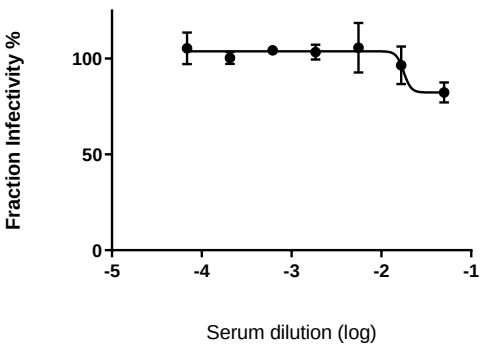
B005
Visit 1



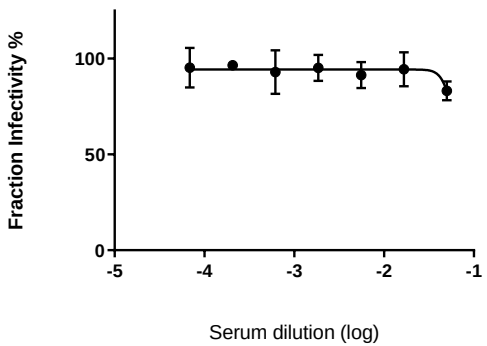
B005
Visit 2



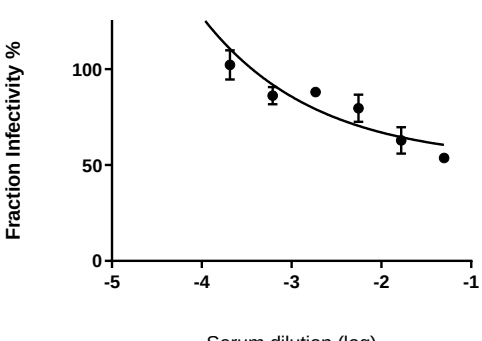
B005
Visit 3



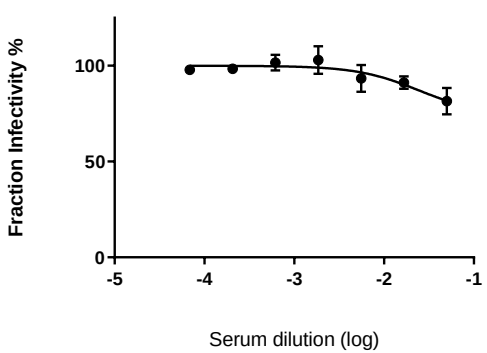
B006
Visit 1



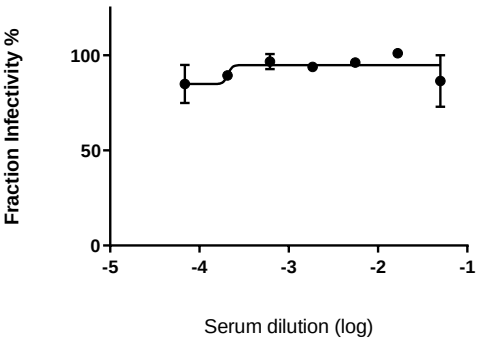
B006
Visit 2



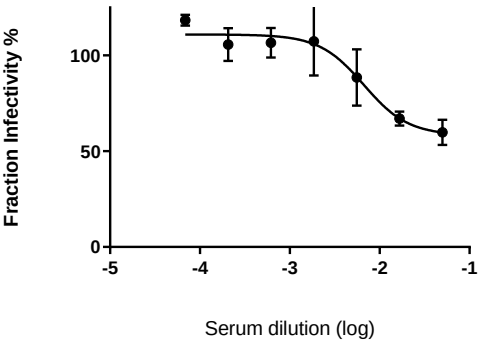
B006
Visit 3



B007
Visit 1

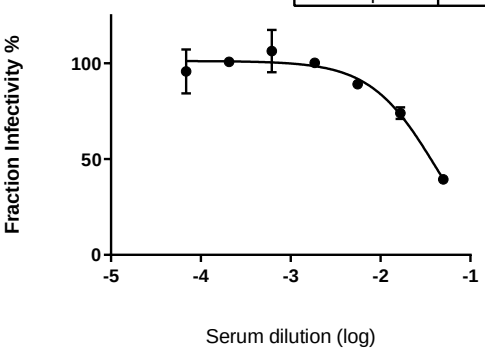


B007
Visit 2



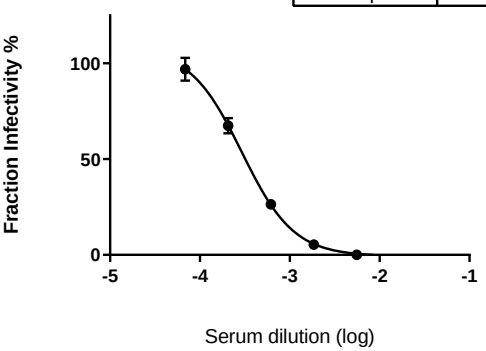
B007
Visit 3

ND50	27.50
ND80	10.40
R squared	0.9383

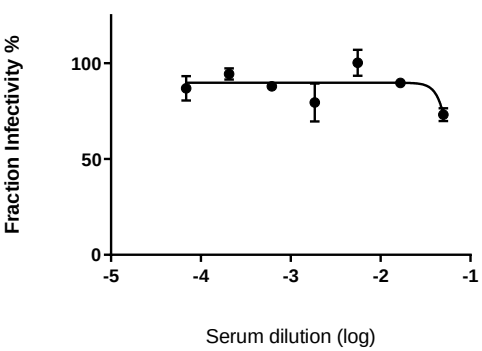


B007
Visit 4

ND50	3124
ND80	1303
R squared	0.9970

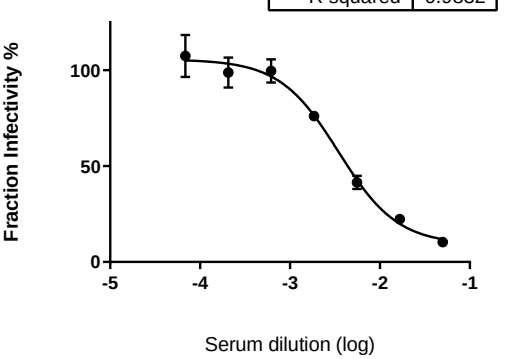


B008
Visit 1

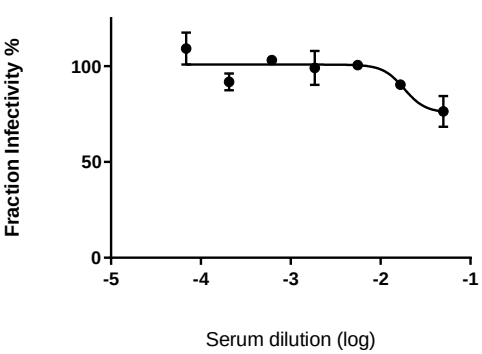


B008
Visit 2

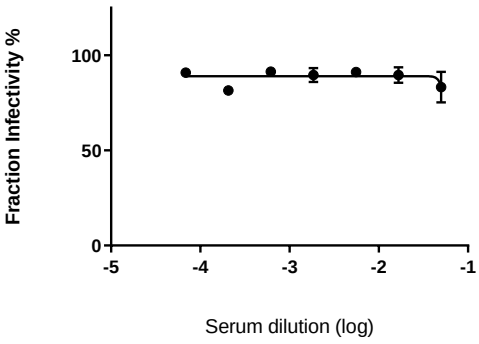
ND50	228.0
ND80	60.52
R squared	0.9832



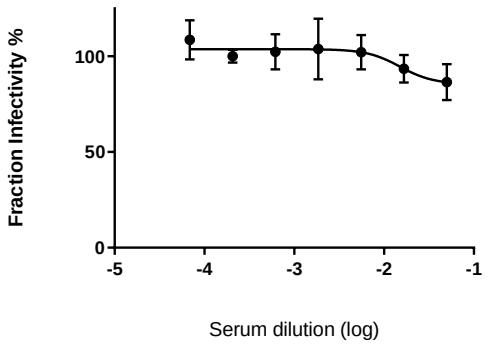
B008
Visit 3



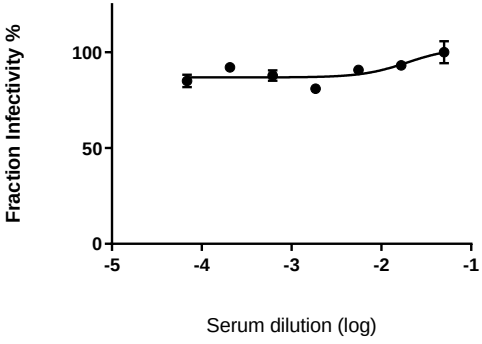
B009
Visit 1



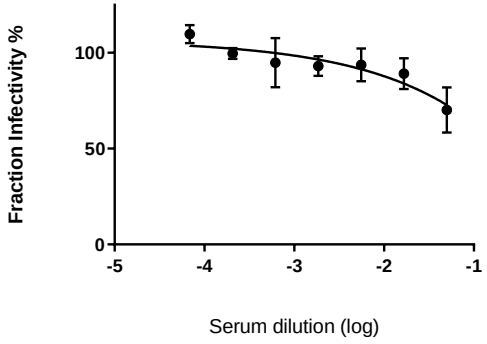
B009
Visit 2



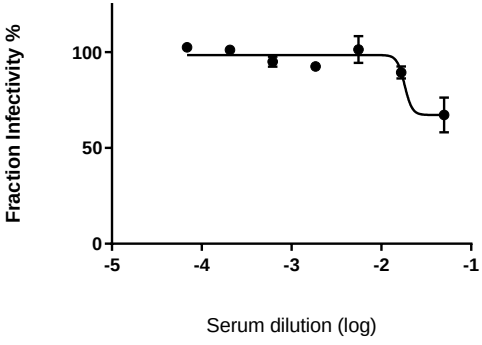
B010
Visit 1



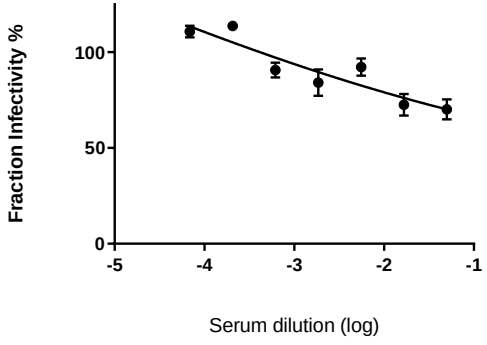
B010
Visit 2



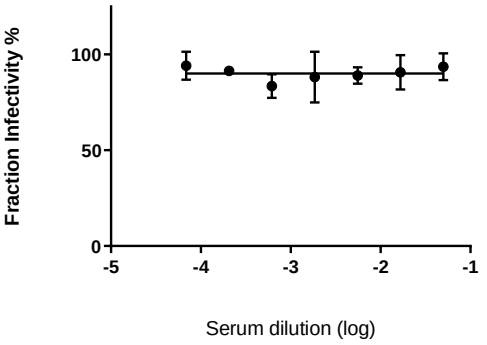
B010
Visit 3



B010
Visit 4

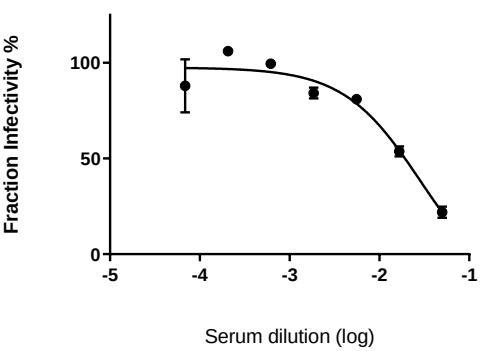


B011
Visit 1



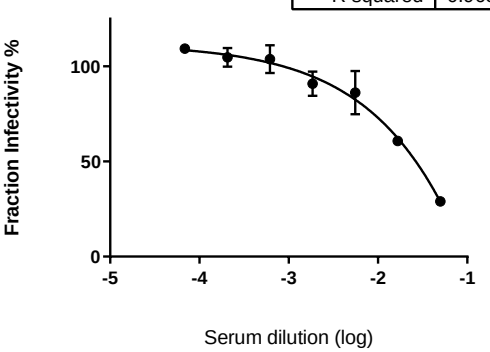
B011
Visit 2

ND50	51.89
ND80	18.70
R squared	0.9330



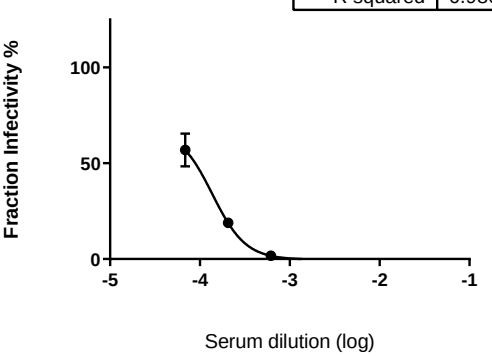
B011
Visit 3

ND50	37.65
ND80	16.09
R squared	0.9689

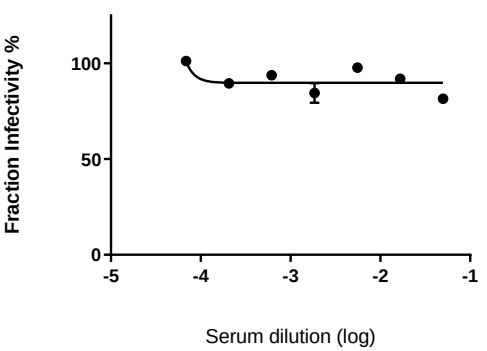


B011
Visit 4

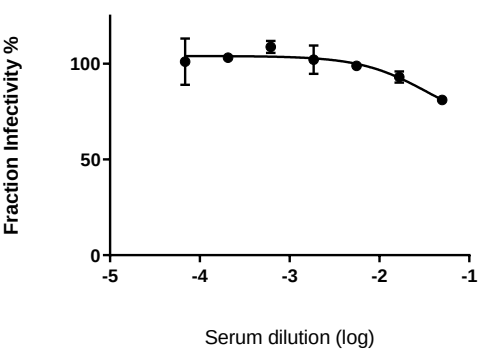
ND50	11257
ND80	5031
R squared	0.9869



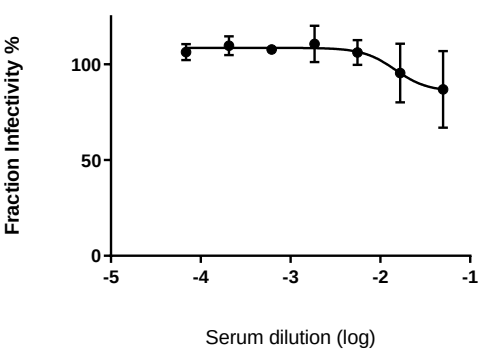
B012
Visit 1



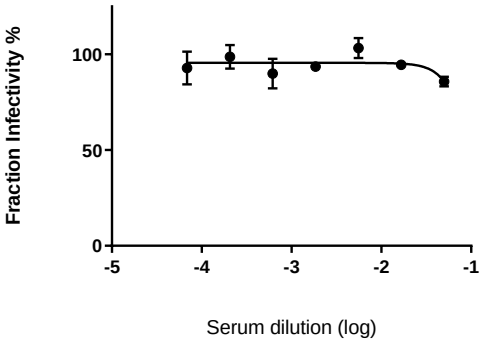
B012
Visit 2



B012
Visit 3

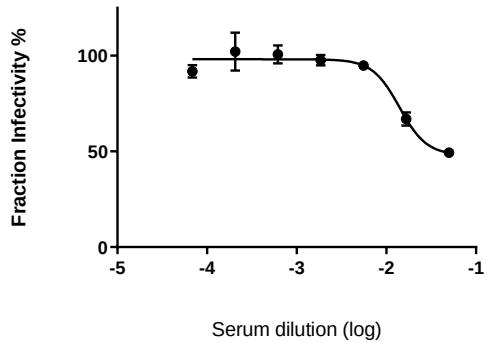


B014
Visit 1

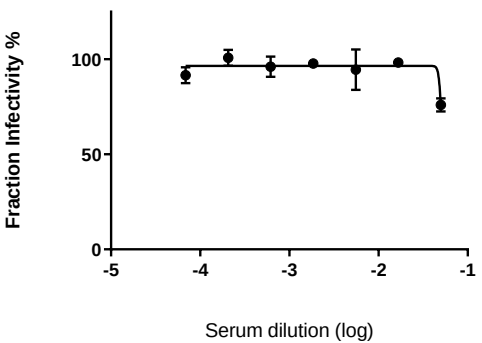


B014
Visit 2

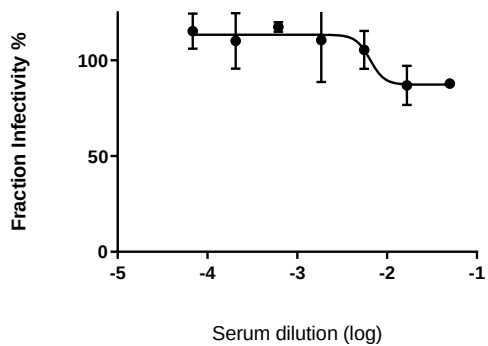
ND50	23.54
ND80	0.000
R squared	0.9439



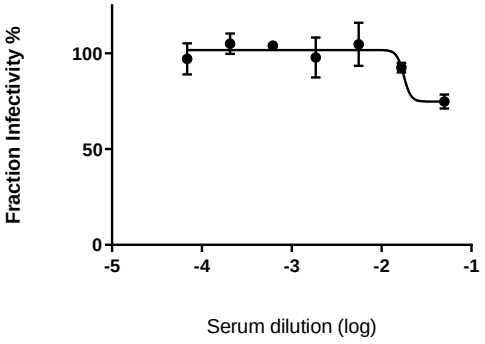
B014
Visit 3



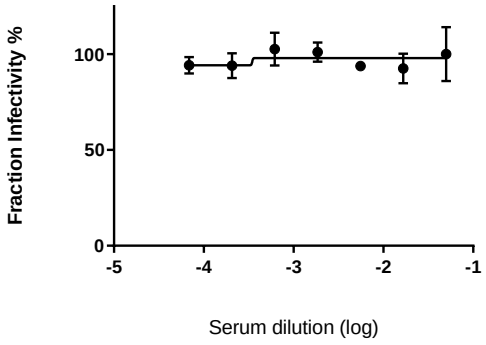
B014
Visit 4



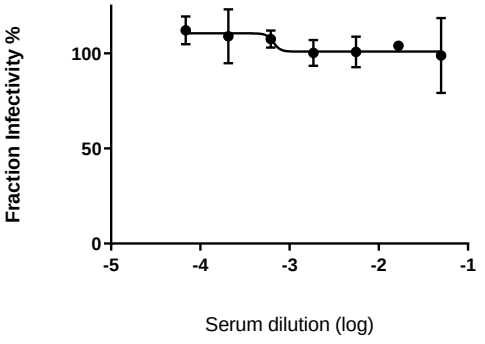
B016
Visit 1



B016
Visit 2

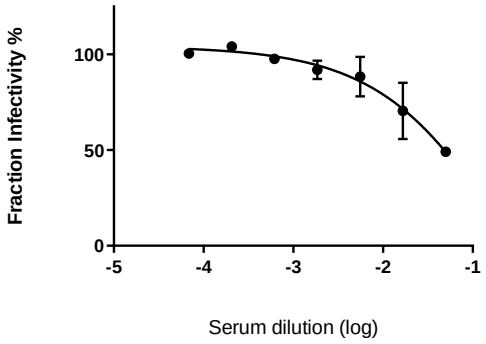


B016
Visit 3

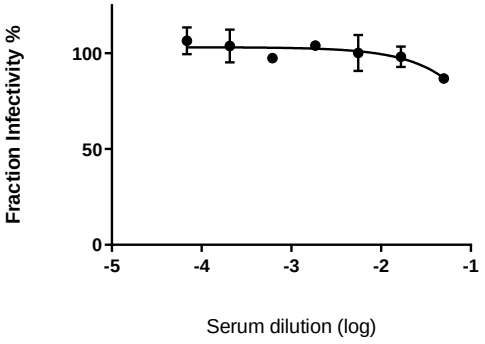


B017
Visit 1

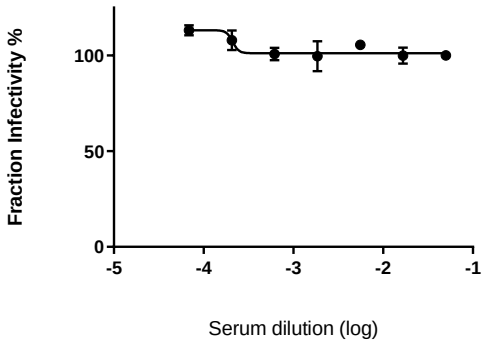
ND50	20.89
ND80	7.010
R squared	0.9117



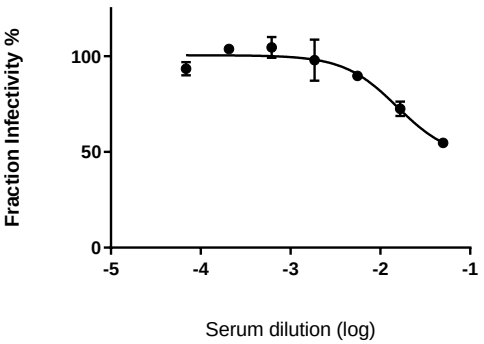
B017
Visit 2



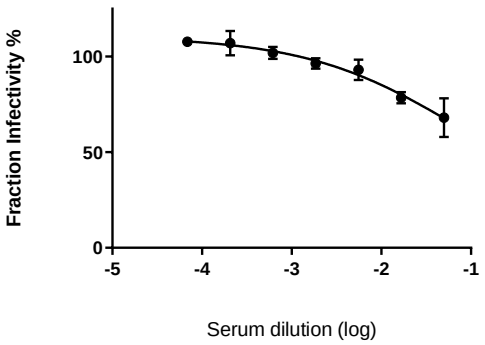
B017
Visit 3



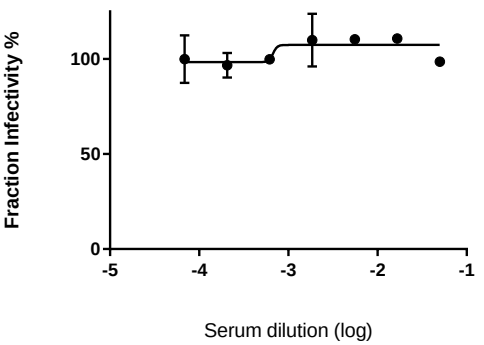
B018
Visit 1



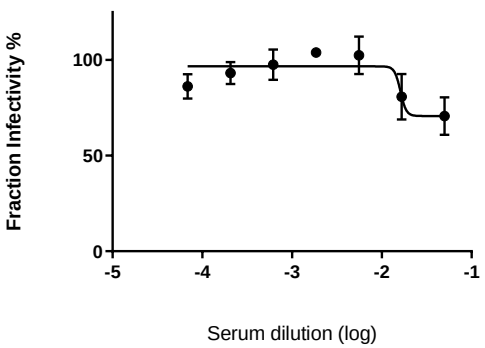
B018
Visit 2



B018
Visit 3

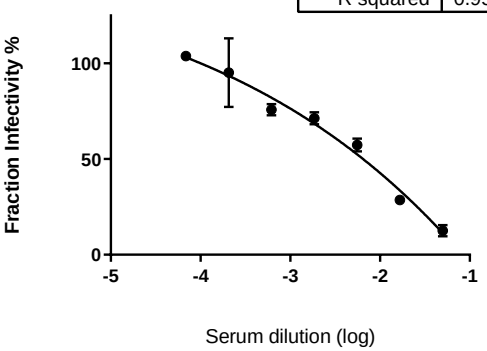


B019
Visit 1



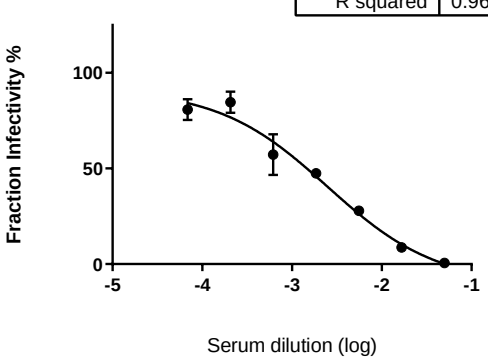
B019
Visit 2

ND50	154.5
ND80	30.10
R squared	0.9589



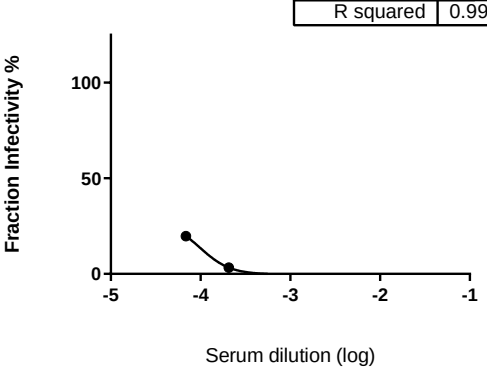
B019
Visit 3

ND50	683.8
ND80	122.2
R squared	0.9678

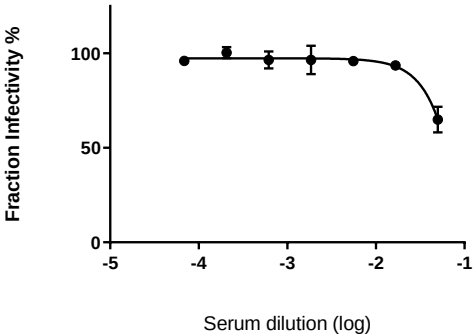


B019
Visit 4

ND50	0.000
ND80	14836
R squared	0.9964

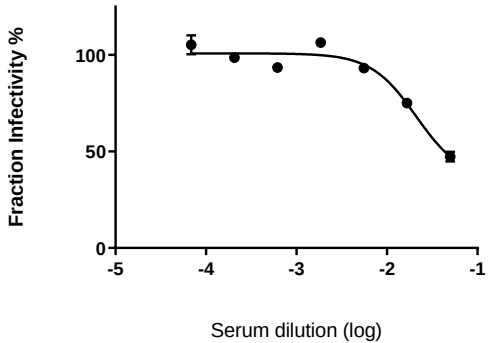


C001
Visit 1

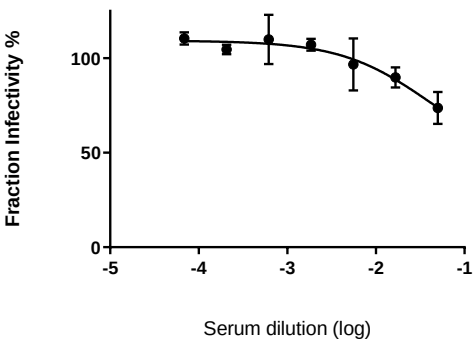


C001
Visit 2

ND50	23.08
ND80	0.000
R squared	0.9472

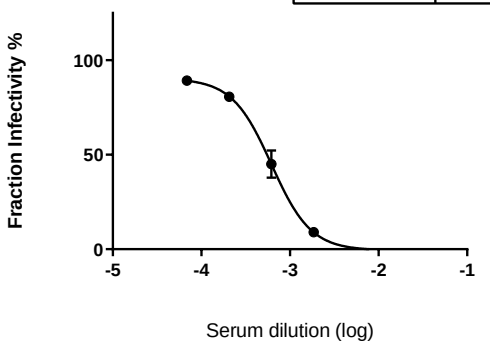


C001
Visit 3

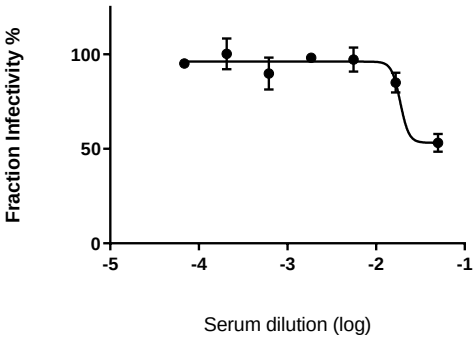


C001
Visit 4

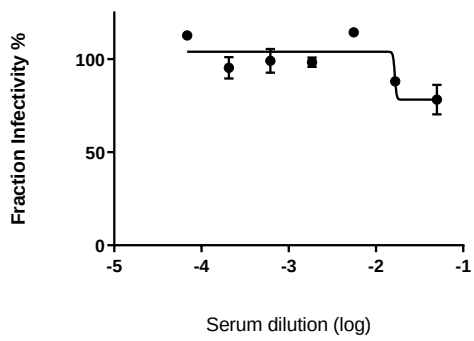
ND50	1815
ND80	862.4
R squared	0.9969



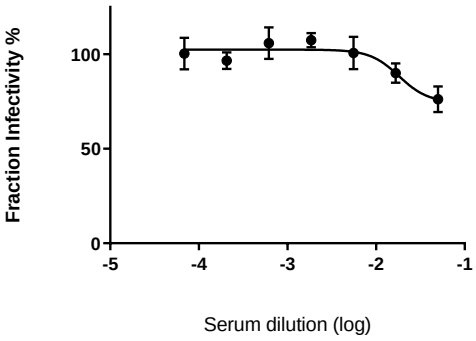
C002
Visit 1



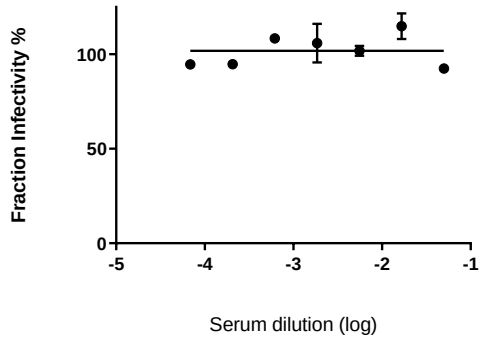
C002
Visit 2



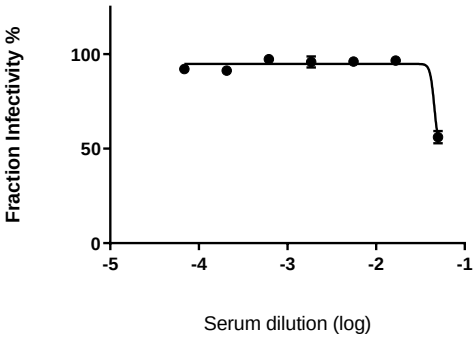
C002
Visit 3



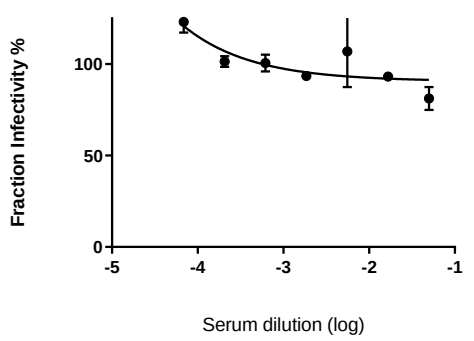
C002
Visit 4



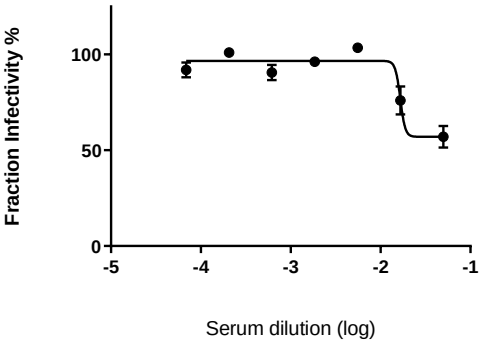
C003
Visit 1



C003
Visit 2

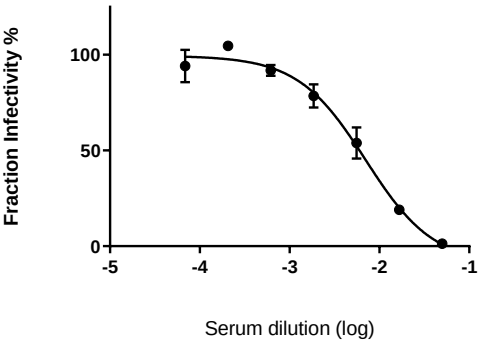


C004
Visit 1



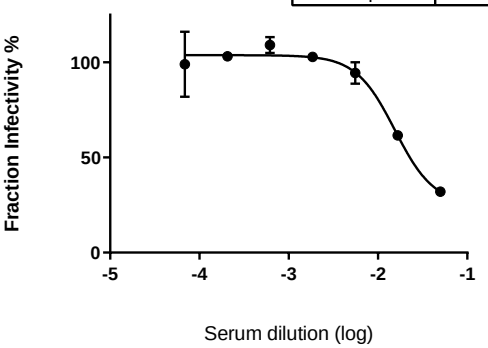
C004
Visit 2

ND50	166.9
ND80	59.93
R squared	0.9818



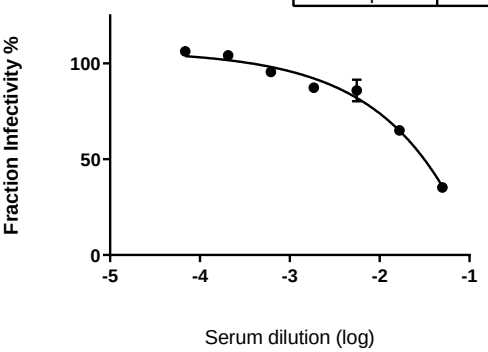
C004
Visit 3

ND50	43.91
ND80	0.000
R squared	0.9548

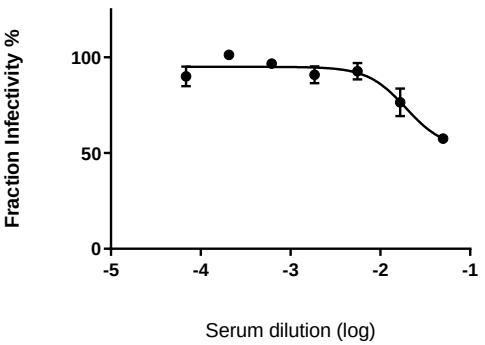


C004
Visit 4

ND50	31.88
ND80	13.15
R squared	0.9780

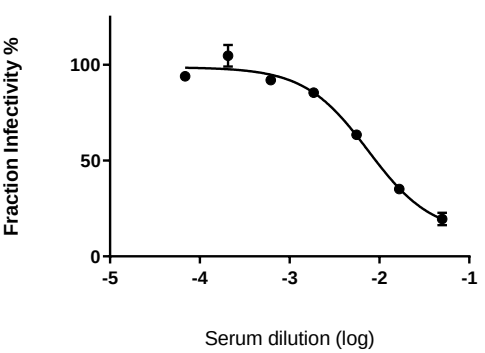


C005
Visit 1



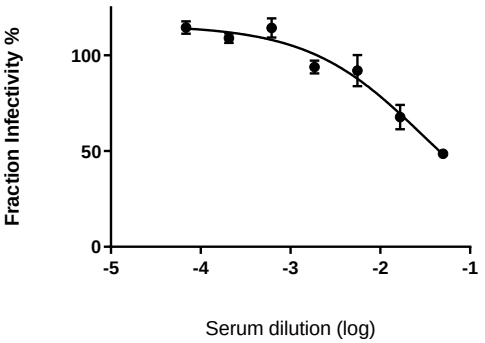
C005
Visit 2

ND50	109.8
ND80	21.37
R squared	0.9836



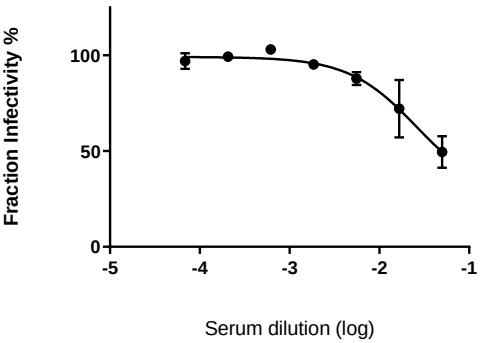
C005
Visit 3

ND50	21.94
ND80	3.074
R squared	0.9494

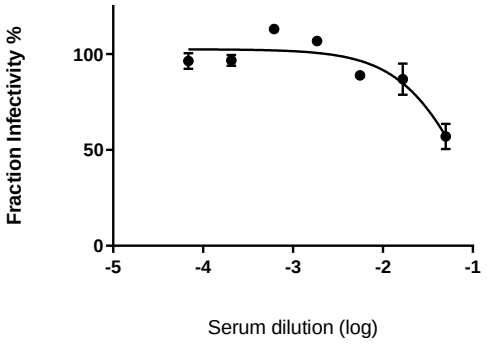


C005
Visit 4

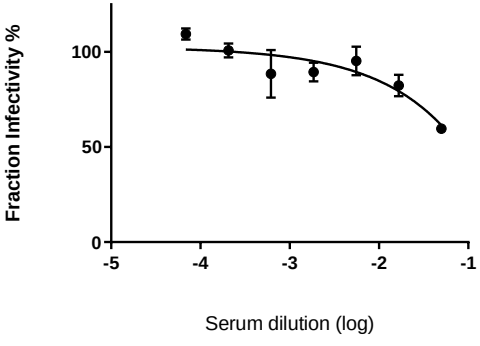
ND50	20.49
ND80	0.000
R squared	0.9126



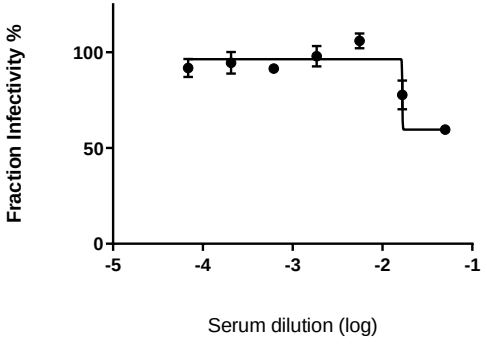
C006
Visit 2



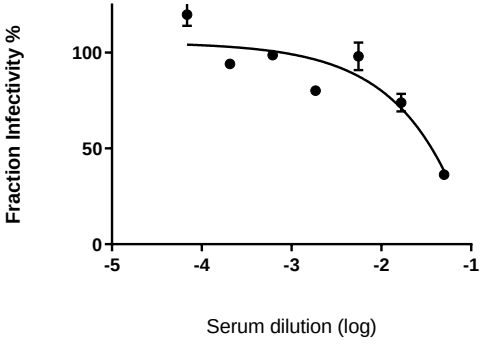
C006
Visit 3



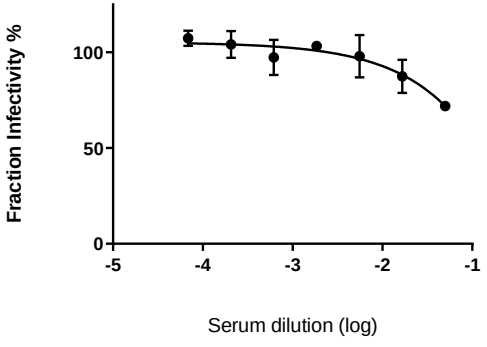
C007
Visit 1



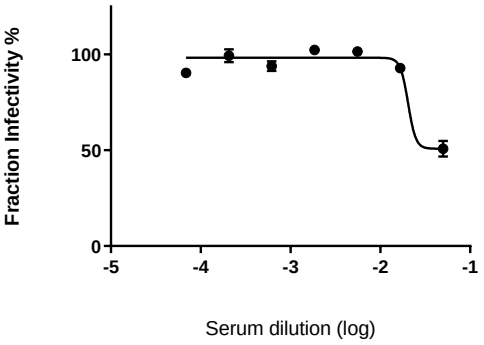
C007
Visit 2



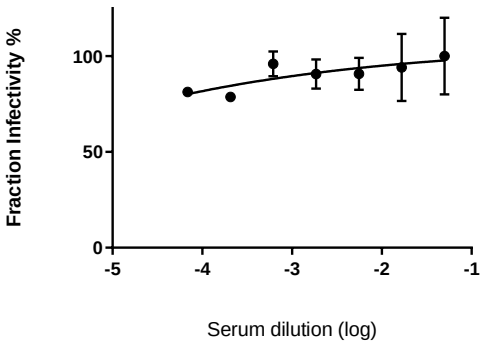
C007
Visit 3



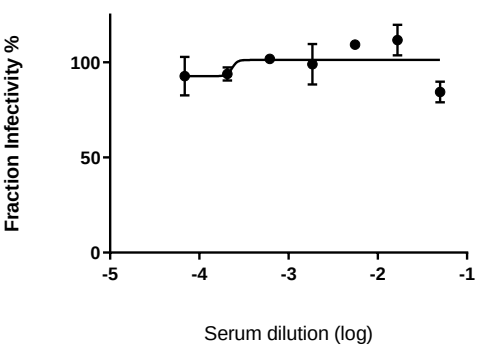
C009
Visit 1



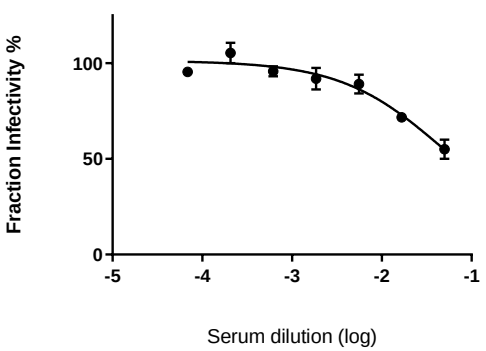
C009
Visit 2



C009
Visit 3

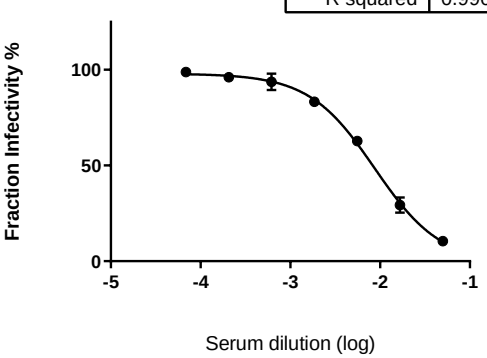


C011
Visit 1



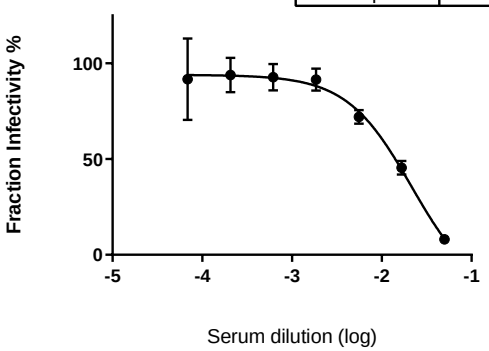
C011
Visit 2

ND50	120.9
ND80	37.95
R squared	0.9965



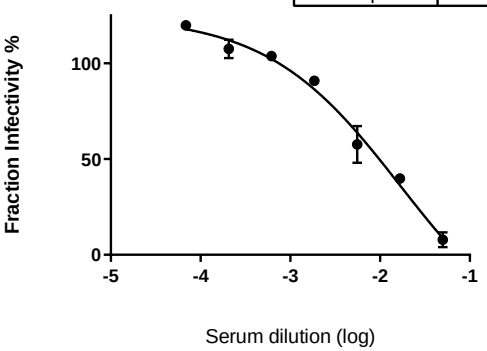
C011
Visit 3

ND50	70.77
ND80	29.48
R squared	0.9490



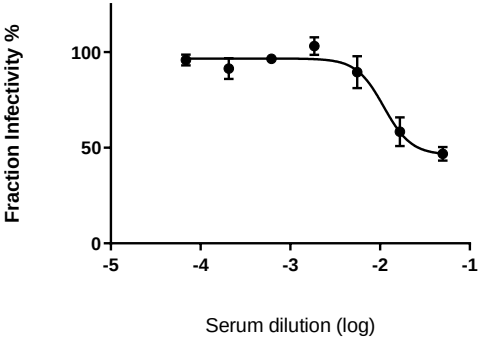
C011
Visit 4

ND50	102.2
ND80	31.80
R squared	0.9837



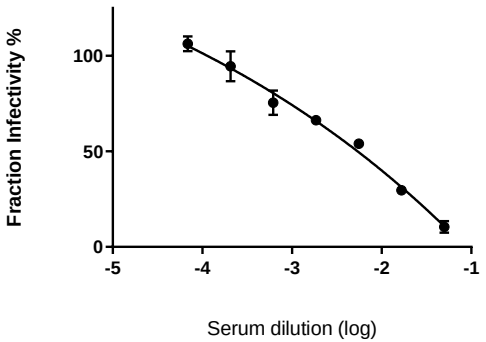
C010
Visit 1

ND50	37.36
ND80	0.000
R squared	0.9387



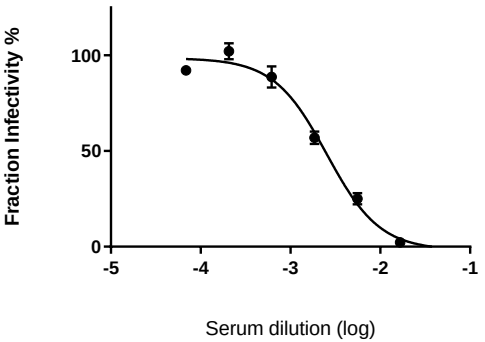
C010
Visit 2

ND50	185.5
ND80	32.28
R squared	0.9837



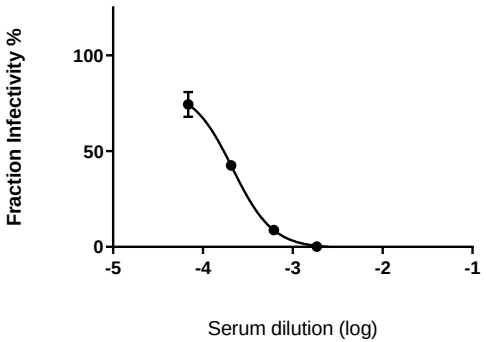
C010
Visit 3

ND50	412.4
ND80	165.2
R squared	0.9887



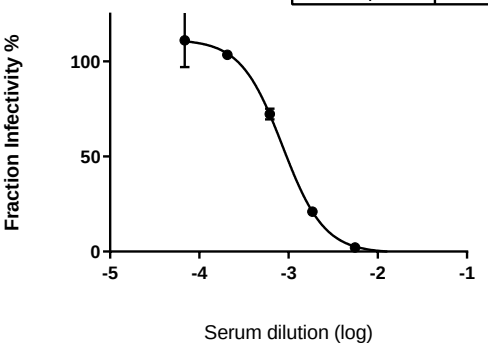
C010
Visit 4

ND50	5858
ND80	2646
R squared	0.9958

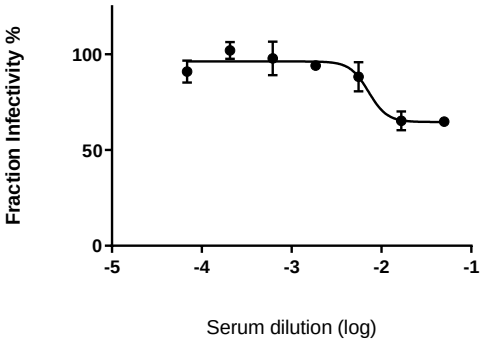


C010
Visit 5

ND50	1050
ND80	523.3
R squared	0.9929

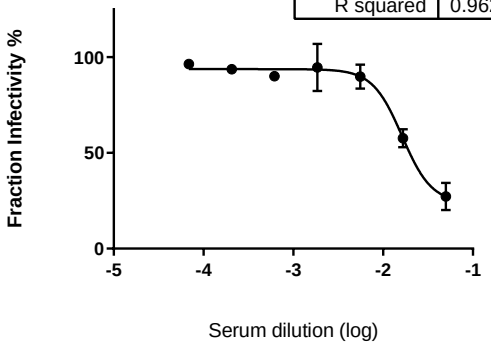


C012
Visit 1



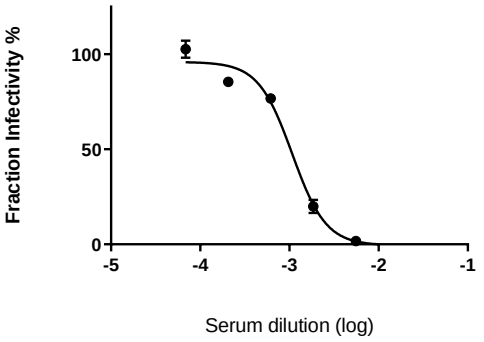
C012
Visit 2

ND50	50.64
ND80	0.000
R squared	0.9626

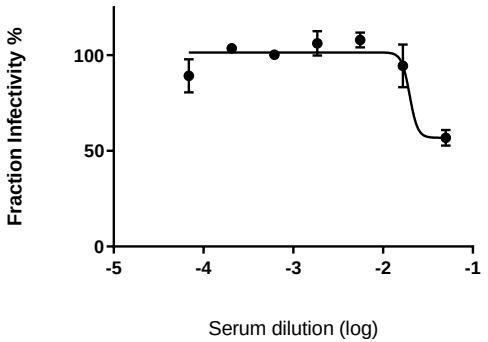
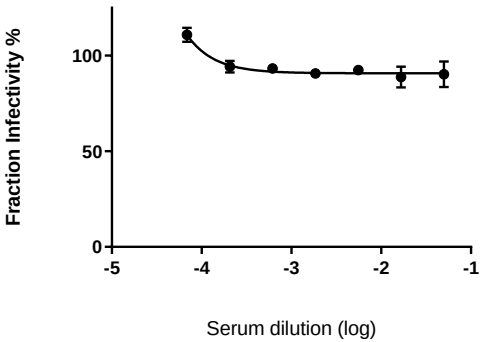


C012
Visit 3

ND50	971.4
ND80	527.1
R squared	0.9888



C013
Visit 1



C013
Visit 2