

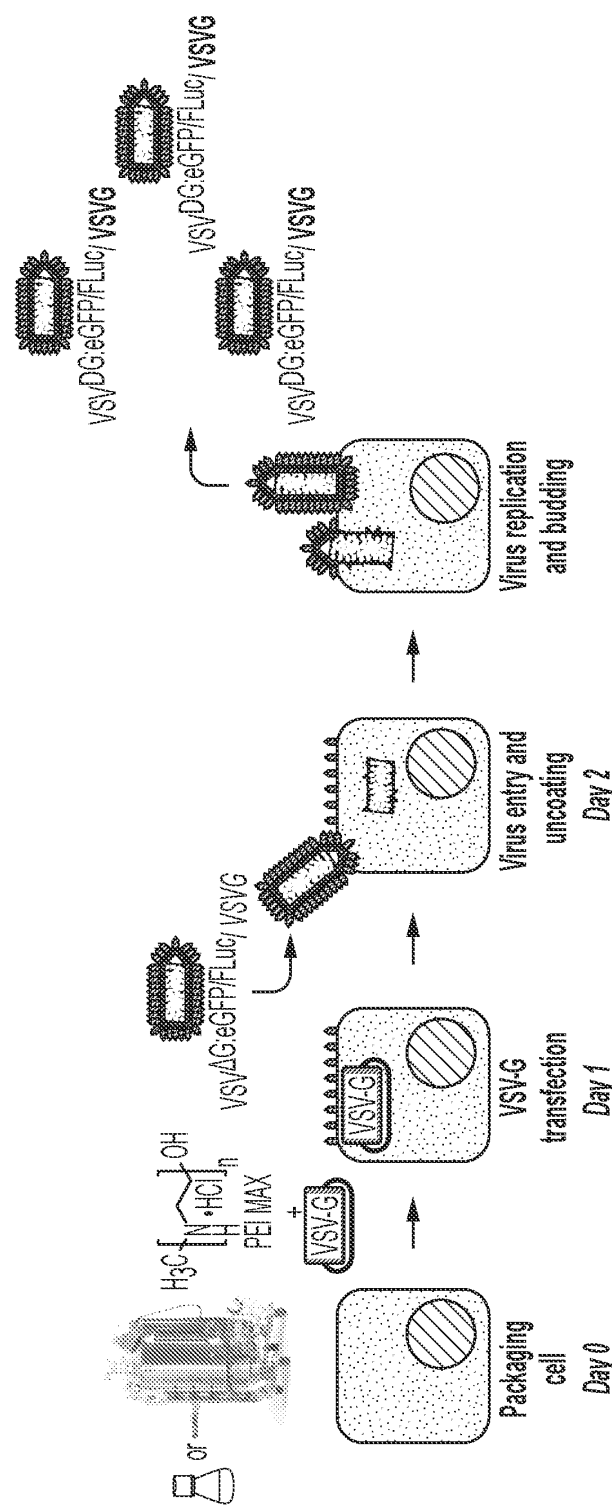


FIG. 1

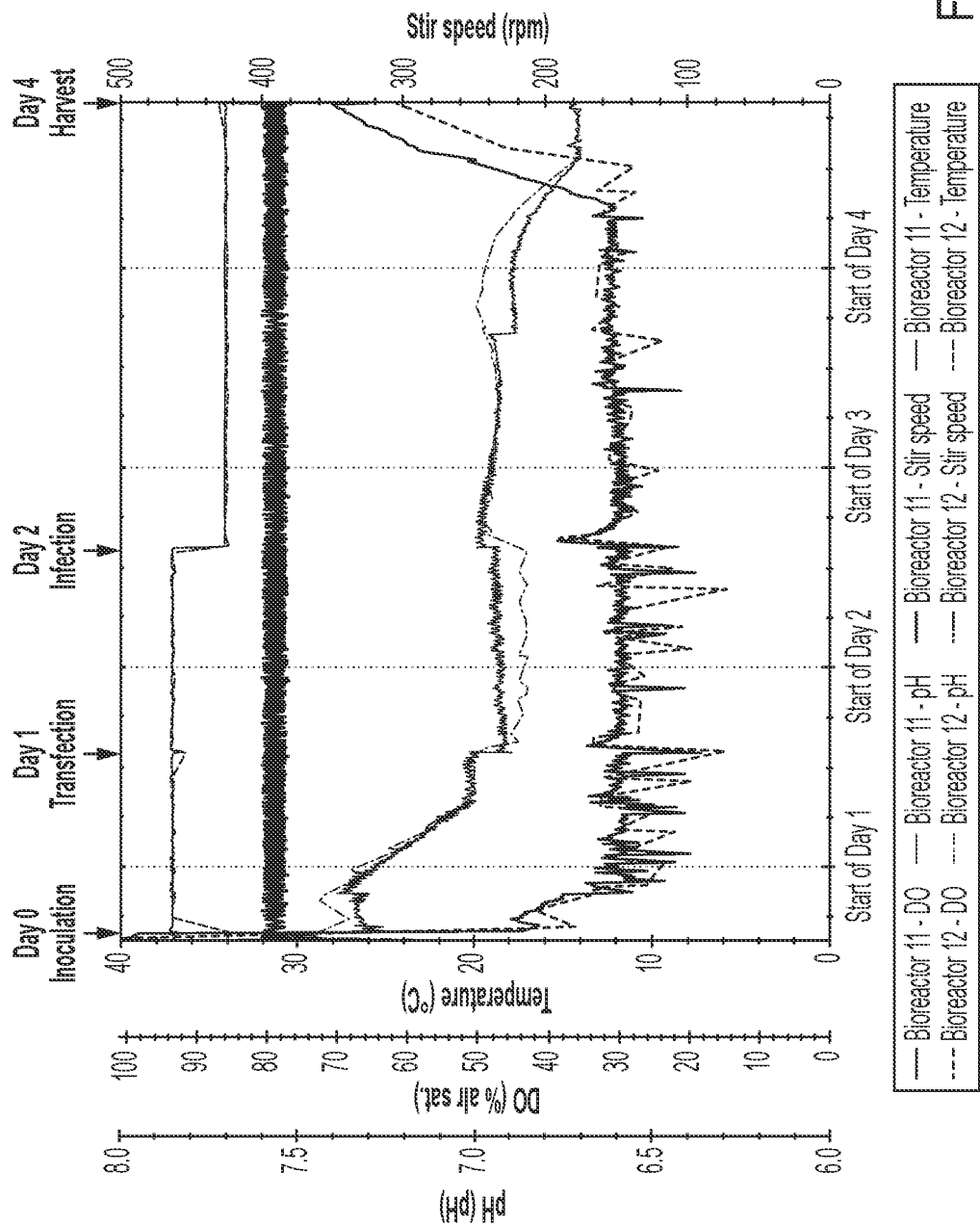


FIG. 2

Sample	Media exchange prior to infection	Media exchange 1hr post infection	MOI	Transfection DNA	Transfection reagent	Cell density at transfection	Growth and transfection medium	Virus dilution medium	Infection medium	Harvest 24 hpi Viral Titer pfu/mL	Harvest 33 hpi Viral Titer pfu/mL	Harvest 48 hpi Viral Titer pfu/mL
Control	N	N	0.001	1.5 ug/ml	PEI MAX	3 E6/ml	LV-MAX	PBS	LV-MAX	1.16E+05	2.70E+06	7.20E+07
1	Y	N	0.01	1.5 ug/ml	PEI MAX	3 E6/ml	LV-MAX	LV-MAX	LV-MAX	1.15E+08	5.05E+08	6.35E+08
2	Y	N	0.001	3 ug/ml	PEI MAX	3 E6/ml	LV-MAX	LV-MAX	LV-MAX	2.90E+06	1.45E+07	2.55E+07
3	Y	N	0.001	6 ug/ml	PEI MAX	3 E6/ml	LV-MAX	LV-MAX	LV-MAX	1.20E+05	6.45E+05	1.09E+06
4	Y	N	0.001	1.5 ug/ml	Lipofectamine	3 E6/ml	LV-MAX	LV-MAX	LV-MAX	5.60E+06	3.95E+07	2.55E+07
5	Y	N	0.001	1.5 ug/ml	PEI MAX	6 E6/ml	LV-MAX	LV-MAX	LV-MAX	7.45E+06	1.03E+07	1.82E+07
6	Y	N	0.001	1.5 ug/ml	PEI MAX	3 E6/ml	LV-MAX	Opti-MEM	Opti-MEM	1.60E+05	3.30E+05	3.70E+06
7	Y	N	0.001	1.5 ug/ml	PEI MAX	3 E6/ml	LV-MAX	HyCell TransF-X-H	HyCell TransF-X-H	1.35E+07	1.46E+07	9.40E+06

FIG. 3

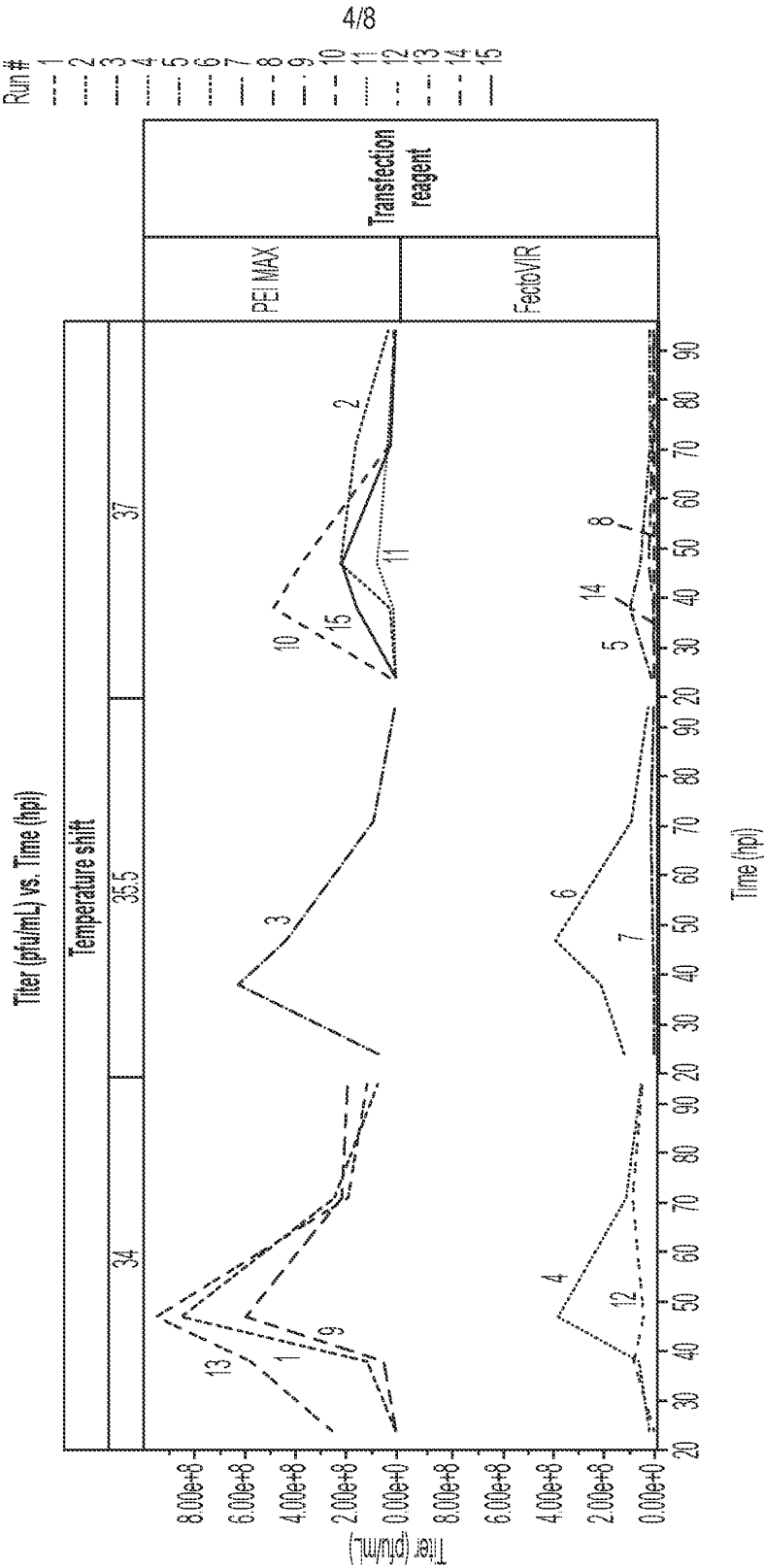


FIG. 4

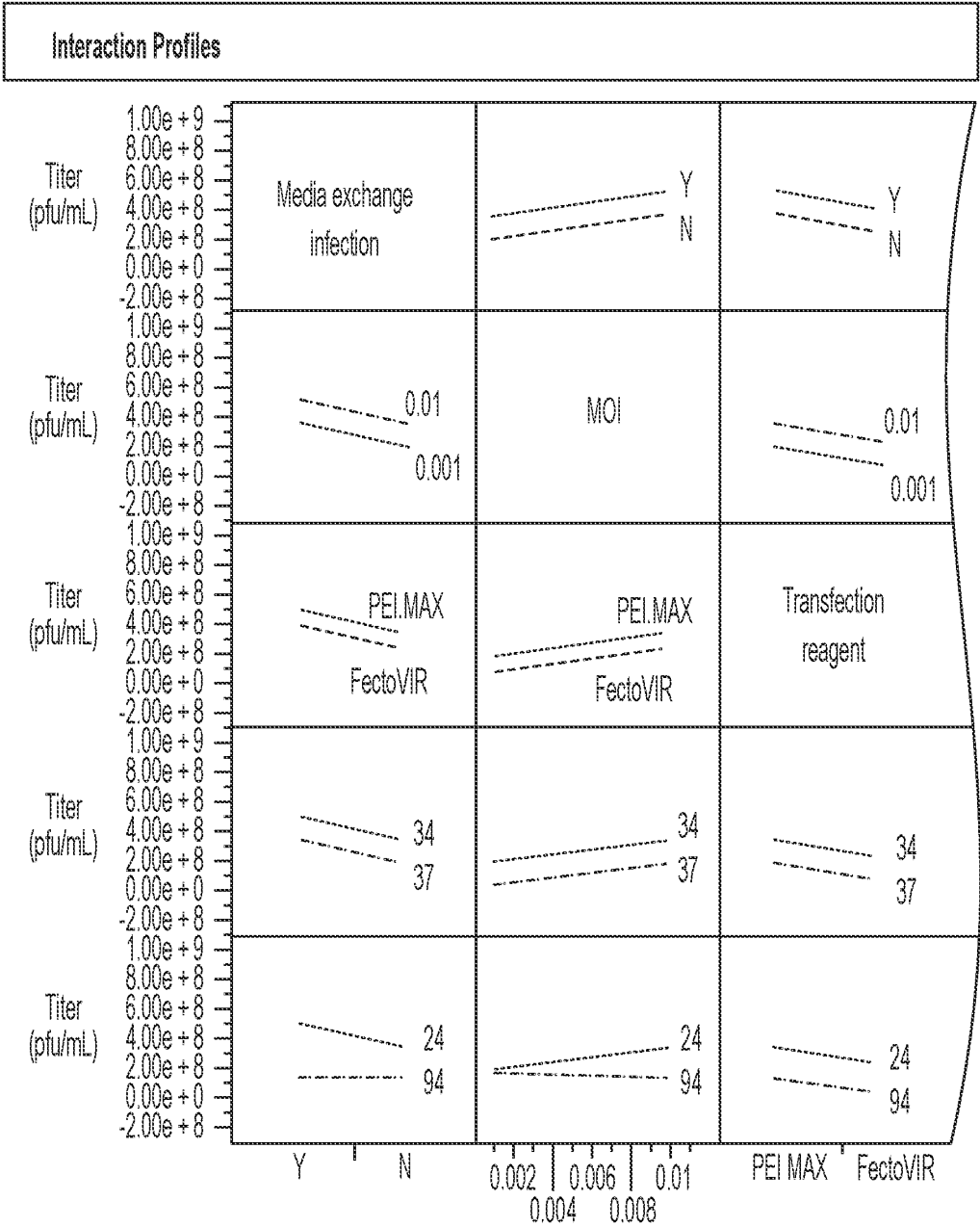


FIG. 5A

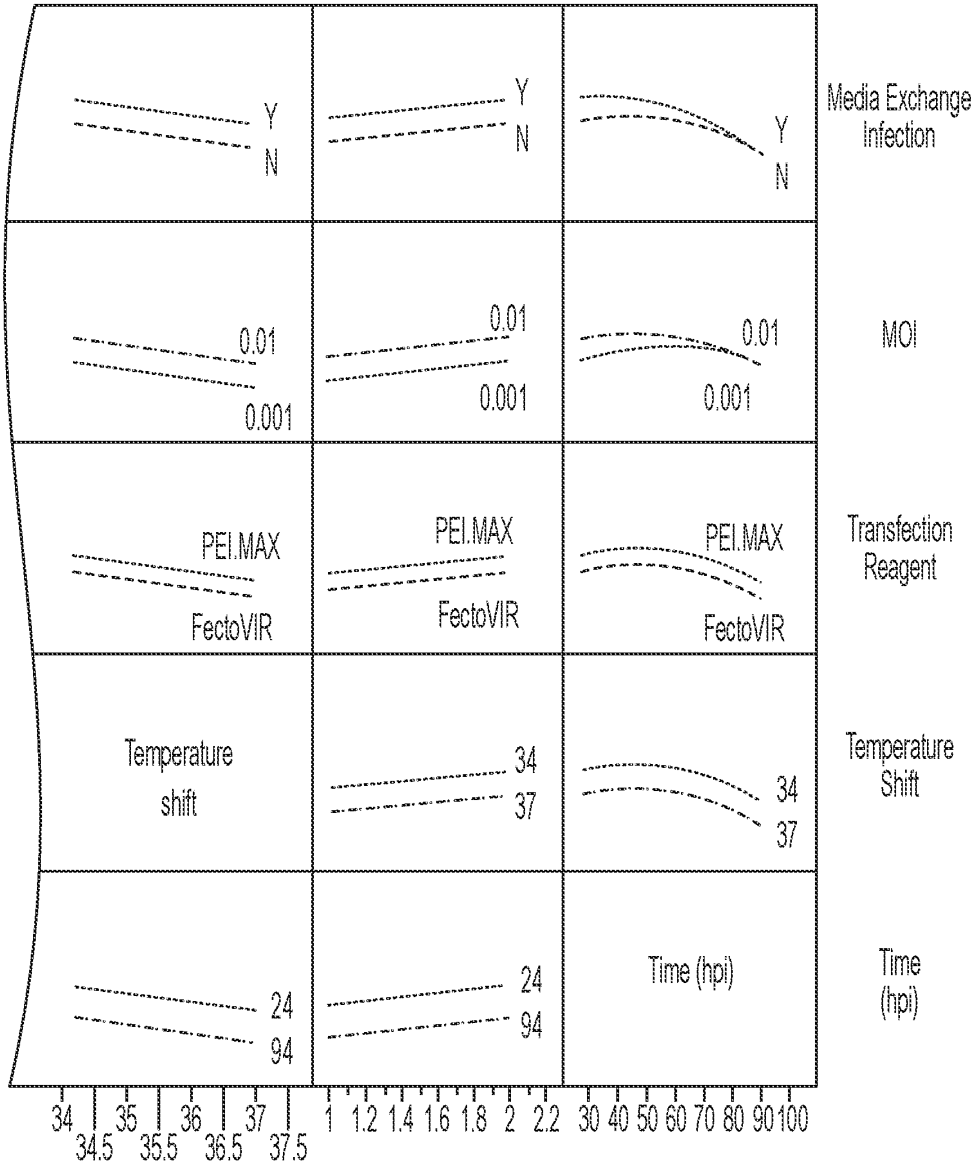


FIG. 5B

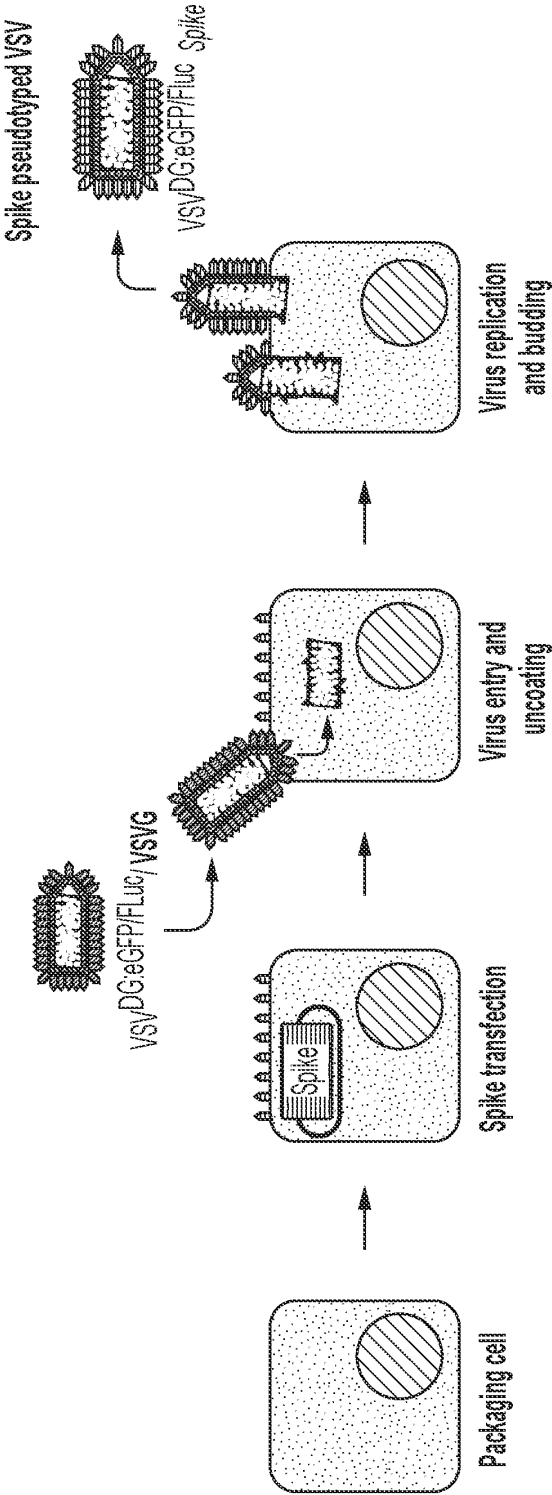


FIG. 6

8/8

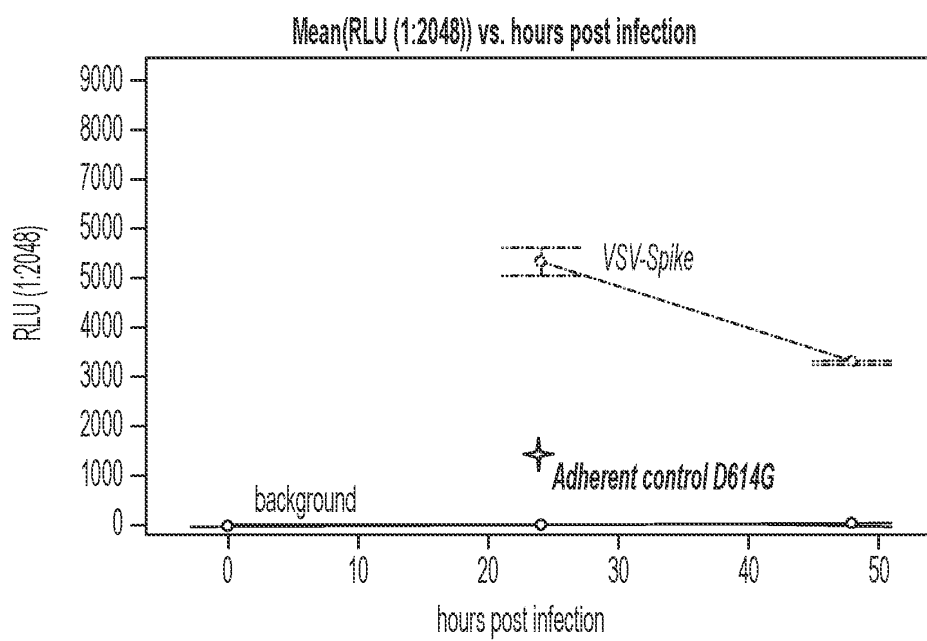


FIG. 7