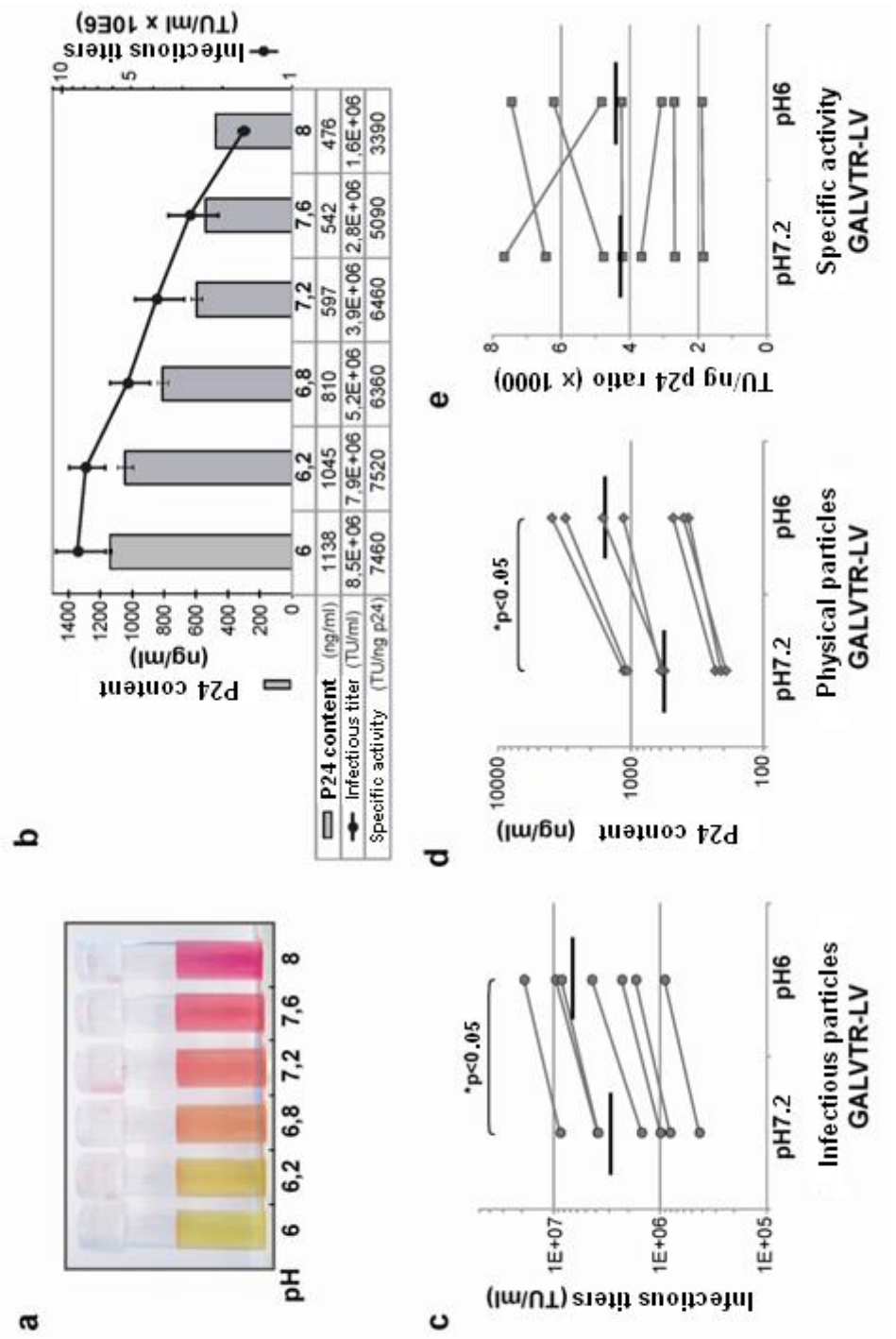

a
pH 6 6,2 6,8 7,2 7,6 8
b
Infectious titers (TU/ml x 10E6)
P24 content (ng/ml)
P24 content (ng/ml) 6 6,2 6,8 7,2 7,6 8
P24 content (ng/ml) 1138 1045 810 597 542 476
Infectious titer (TU/ml) 8,5E+06 7,9E+06 5,2E+06 3,9E+06 2,8E+06 1,6E+06
Specific activity (TU/ng p24) 7460 7520 6360 6460 5090 3390
c
*p<0.05
Infectious titers (TU/ml)
pH7.2 pH6
Infectious particles GALVTR-LV
d
*p<0.05
P24 content (ng/ml)
pH7.2 pH6
Physical particles GALVTR-LV
e
TU/ng p24 ratio (x 1000)
pH7.2 pH6
Specific activity GALVTR-LV

Figure 1

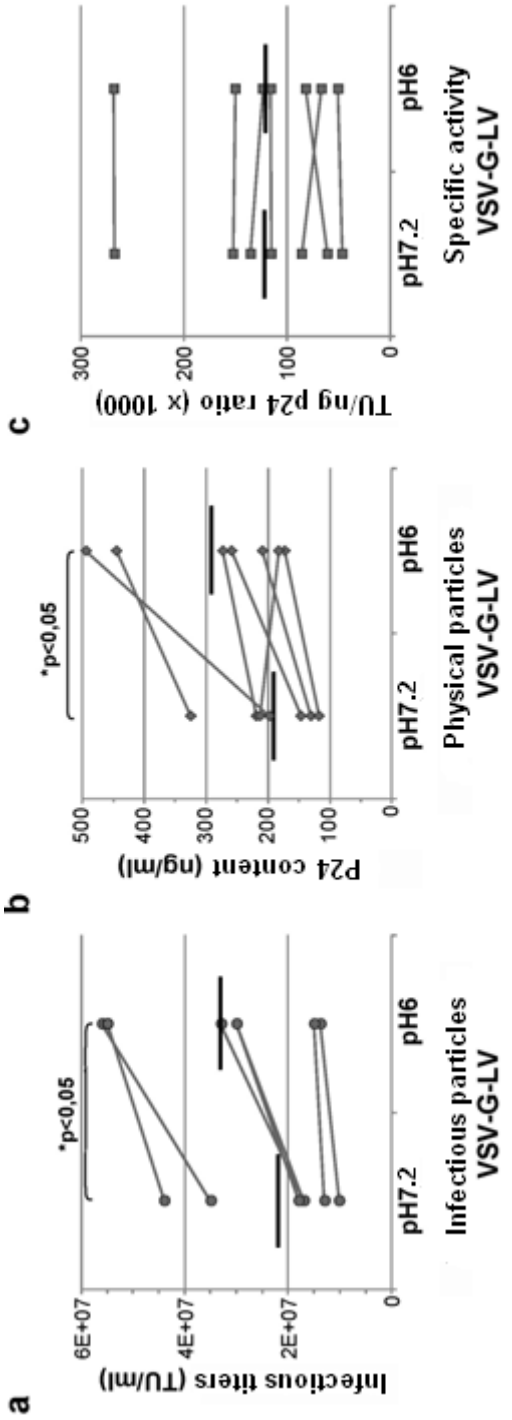

a
Infectious titers (TU/ml)
6E+07
4E+07
2E+07
0
*p<0,05
pH7.2
pH6
Infectious particles
VSV-G-LV
b
P24 content (ng/ml)
500
400
300
200
100
0
*p<0,05
pH7.2
pH6
Physical particles
VSV-G-LV
c
TU/ng p24 ratio (x 1000)
300
200
100
0
pH7.2
pH6
Specific activity
VSV-G-LV

Figure 2

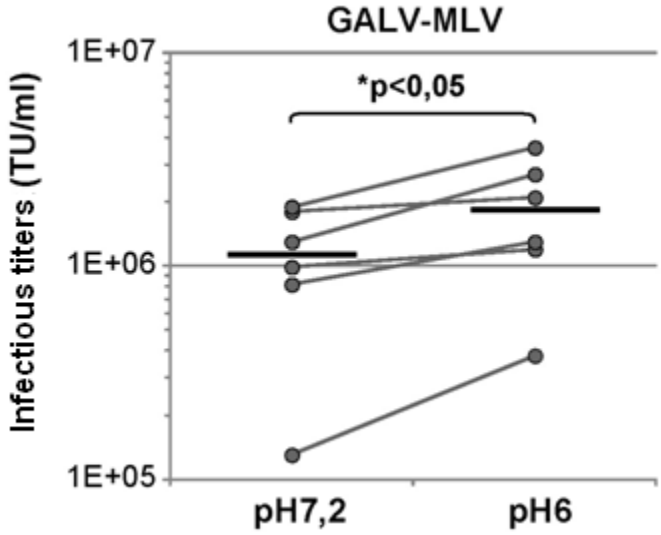

GALV-MLV
*p<0,05
Infectious titers (TU/ml)
1E+07
1E+06
1E+05
pH7,2
pH6

Figure 3

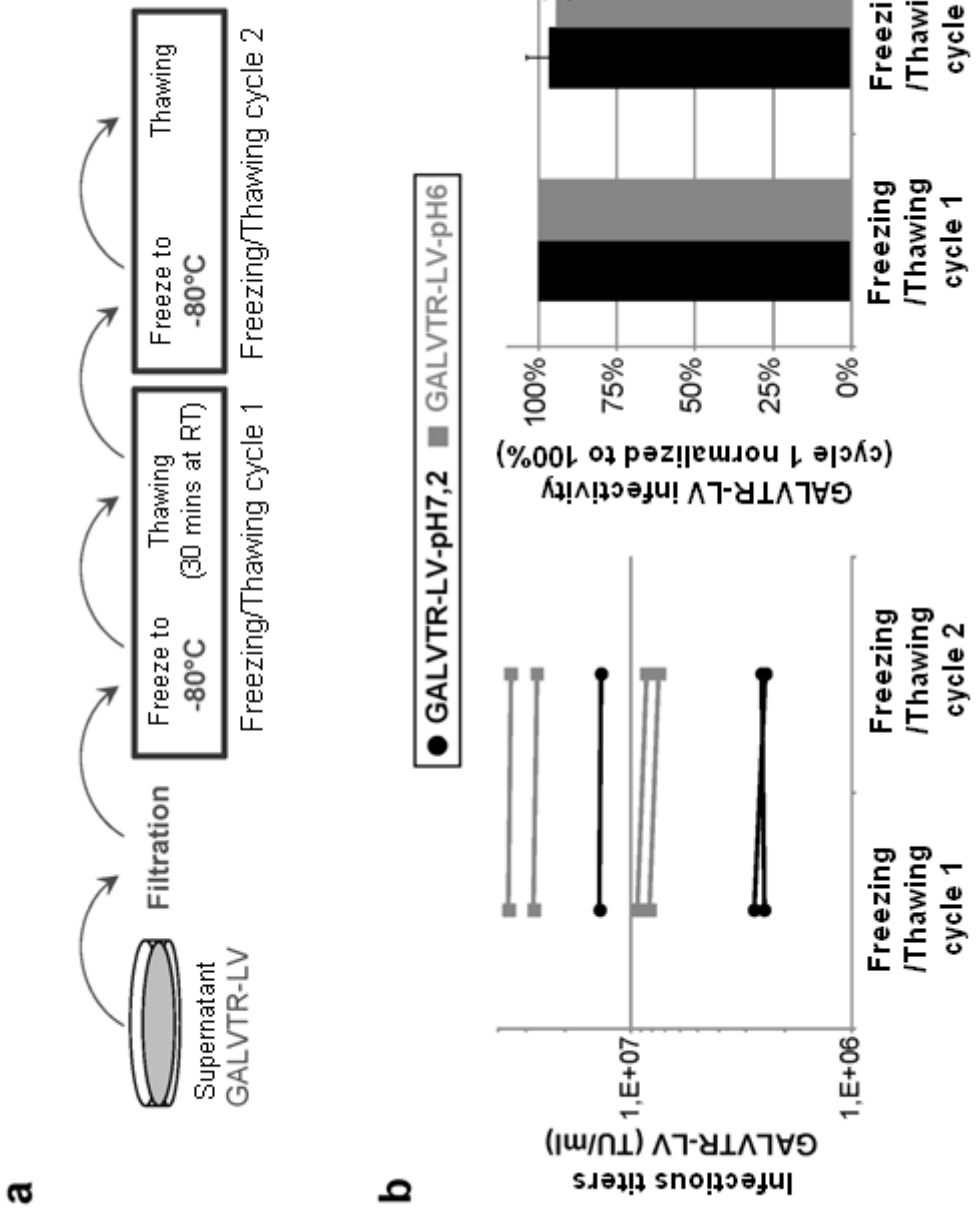

a
Supernatant
GALVTR-LV
Filtration
Freeze to
-80°C
Thawing
(30 mins at RT)
Freeze to
-80°C
Thawing
Freezing/Thawing cycle 1
Freezing/Thawing cycle 2
b
GALVTR-LV-pH7,2
GALVTR-LV-pH6
Infectious titers
GALVTR-LV (TU/ml)
1,E+07
1,E+06
Freezing
/Thawing
cycle 1
Freezing
/Thawing
cycle 2
GALVTR-LV infectivity
(cycle 1 normalized to 100%)
100%
75%
50%
25%
0%
Freezing
/Thawing
cycle 1
Freezing
/Thawing
cycle 2

Figure 4

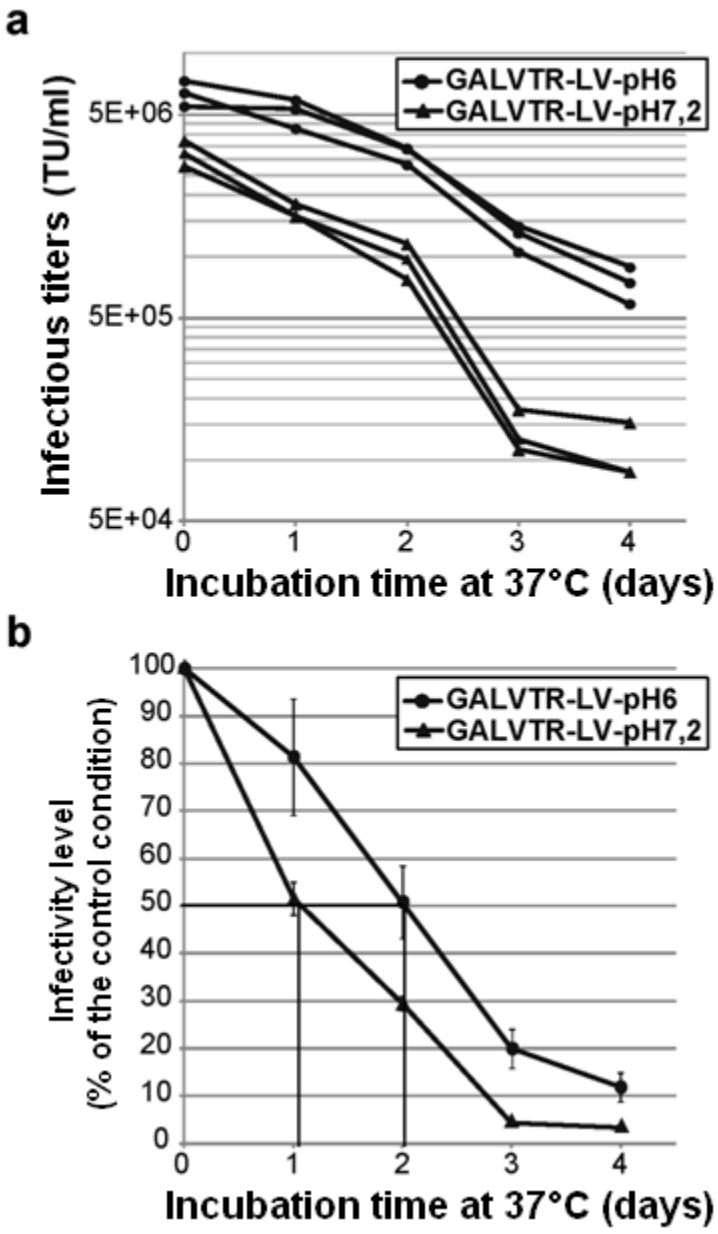

a
GALVTR-LV-pH6
GALVTR-LV-pH7,2
Infectious titers (TU/ml)
5E+06
5E+05
5E+04
0
1
2
3
4
Incubation time at 37°C (days)
b
GALVTR-LV-pH6
GALVTR-LV-pH7,2
Infectivity level
(% of the control condition)
100
90
80
70
60
50
40
30
20
10
0
0
1
2
3
4
Incubation time at 37°C (days)

Figure 5

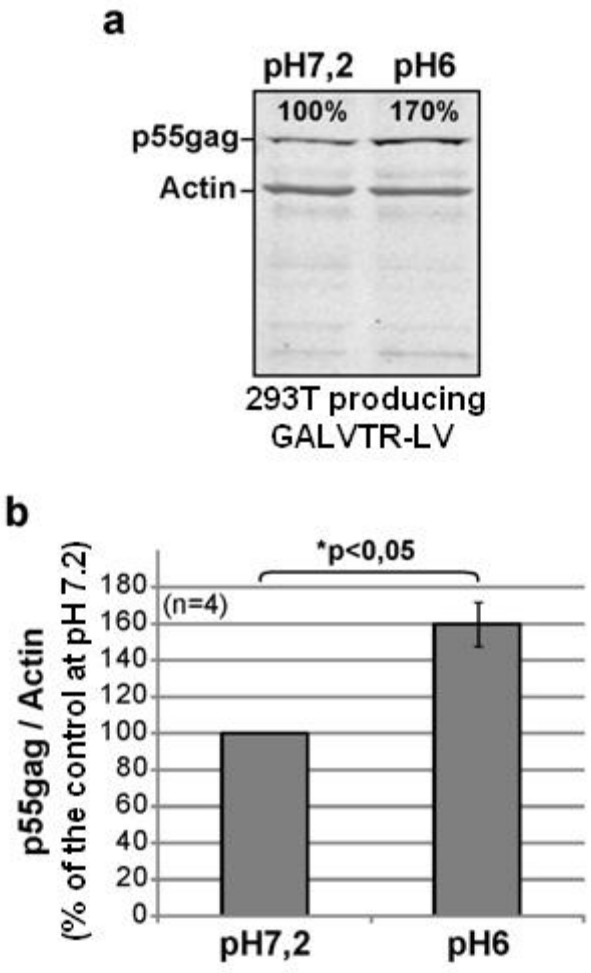

a
pH7,2
pH6
100%
170%
p55gag
Actin
293T producing
GALVTR-LV
b
*p<0,05
(n=4)
p55gag / Actin
(% of the control at pH 7.2)
180
160
140
120
100
80
60
40
20
0
pH7,2
pH6

Figure 6