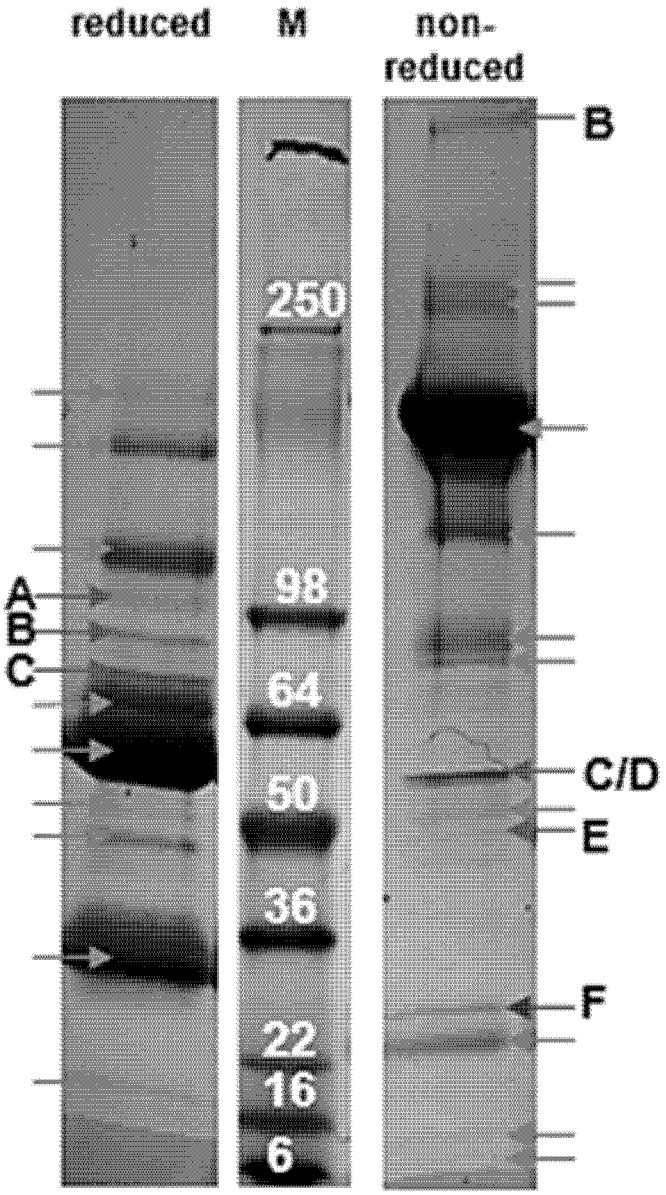


FIGURE 1

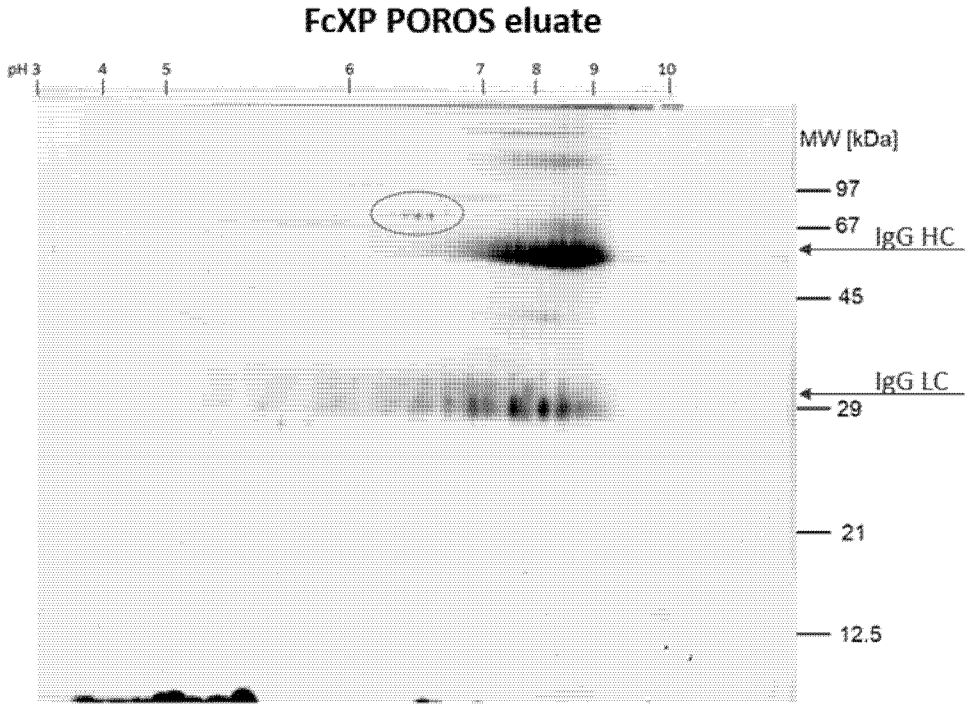

FcXP POROS eluate
pH 3
4
5
6
7
8
9
10
MW [kDa]
97
67
IgG HC
45
IgG LC
29
21
12.5

FIGURE 2

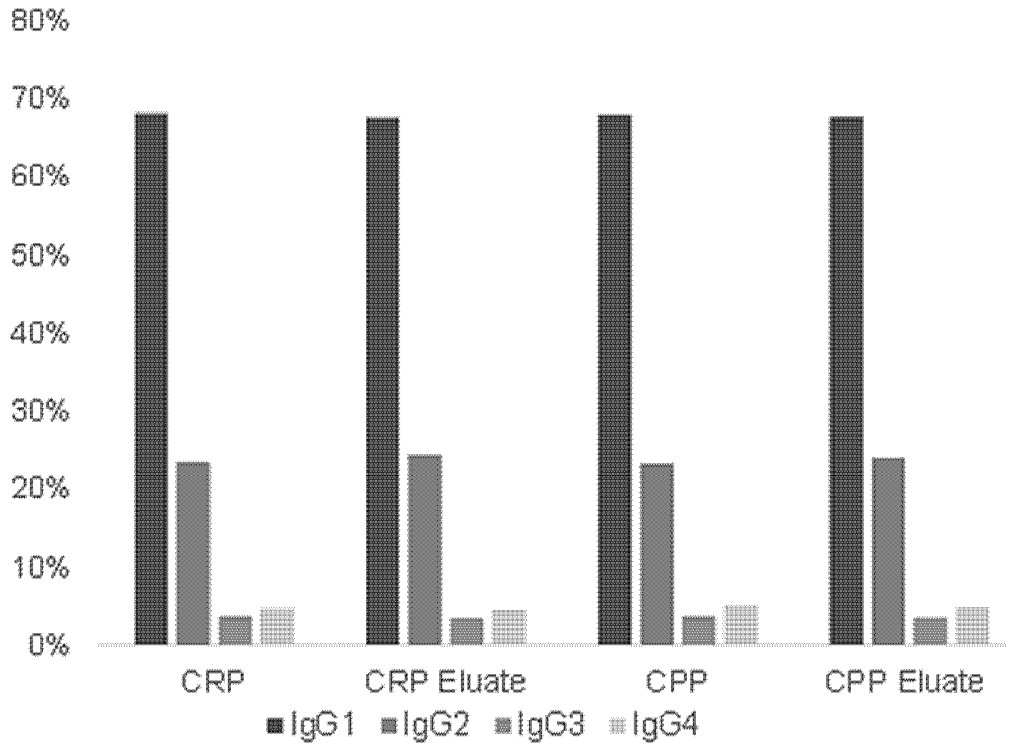

80%
70%
60%
50%
40%
30%
20%
10%
0%
CRP
CRP Eluate
CPP
CPP Eluate
IgG1
IgG2
IgG3
IgG4

FIGURE 3

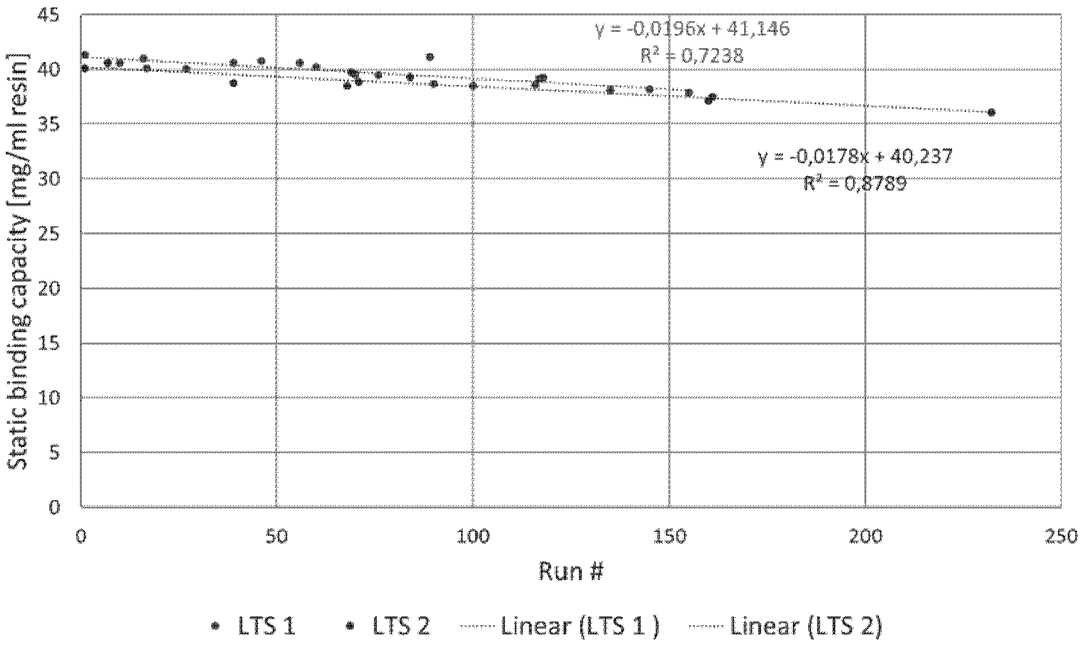

y = -0,0196x + 41,146
R² = 0,7238
y = -0,0178x + 40,237
R² = 0,8789
Static binding capacity [mg/ml resin]
Run #
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
LTS 1
LTS 2
Linear (LTS 1)
Linear (LTS 2)

FIGURE 4

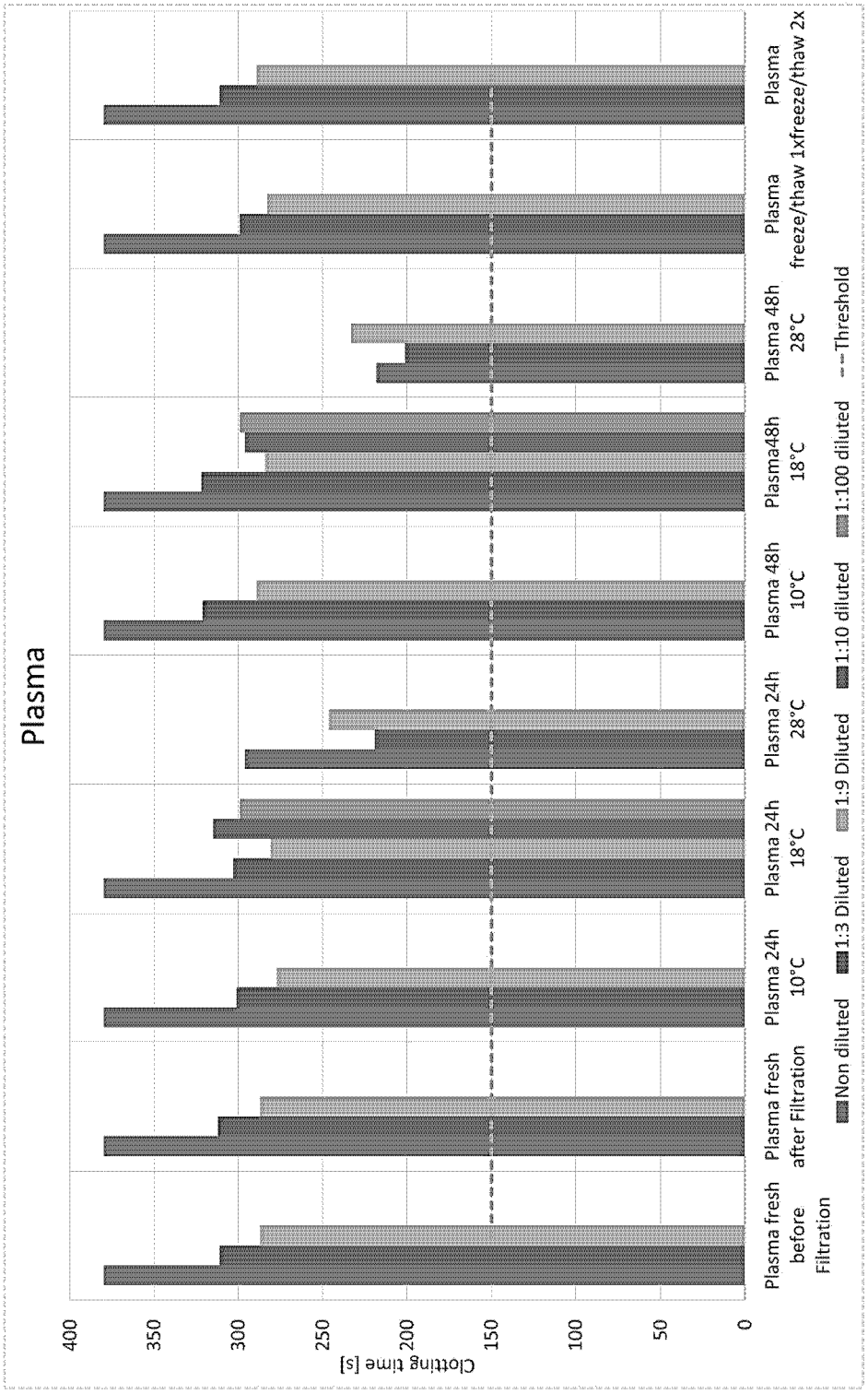

Plasma
Clotting time [s]
400
350
300
250
200
150
100
50
0
Plasma fresh before Filtration
Plasma fresh after Filtration
Plasma 24h 10°C
Plasma 24h 18°C
Plasma 24h 28°C
Plasma 48h 10°C
Plasma48h 18°C
Plasma 48h 28°C
Plasma freeze/thaw 1xfreeze/thaw 2x
Non diluted
1:3 Diluted
1:9 Diluted
1:10 diluted
1:100 diluted
Threshold

FIGURE 5A

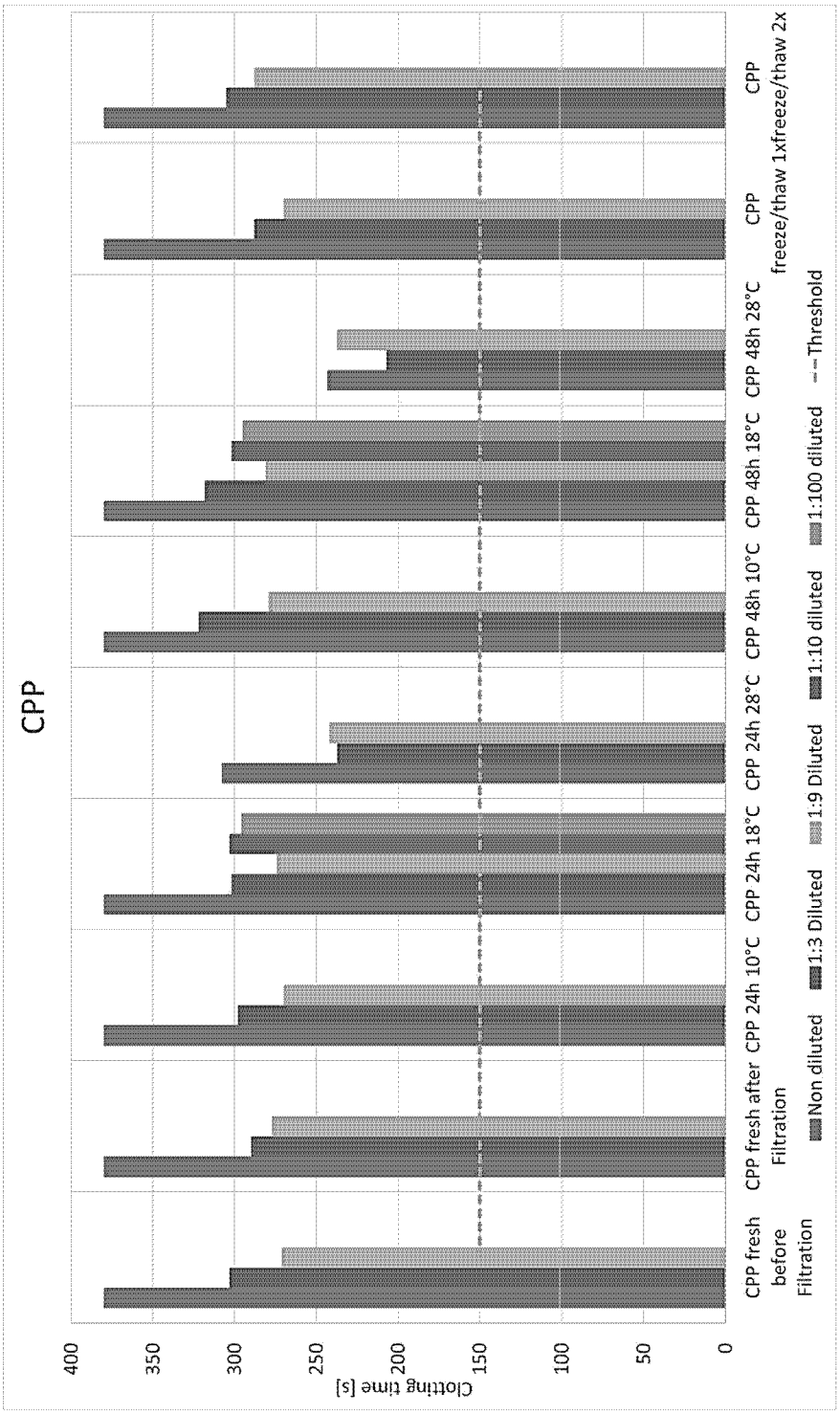

CPP
Clotting time [s]
400
350
300
250
200
150
100
50
0
CPP fresh before Filtration
CPP fresh after Filtration
CPP 24h 10°C
CPP 24h 18°C
CPP 24h 28°C
CPP 48h 10°C
CPP 48h 18°C
CPP 48h 28°C
CPP freeze/thaw 1xfreeze/thaw 2x
Non diluted
1:3 Diluted
1:9 Diluted
1:10 diluted
1:100 diluted
Threshold

FIGURE 5B

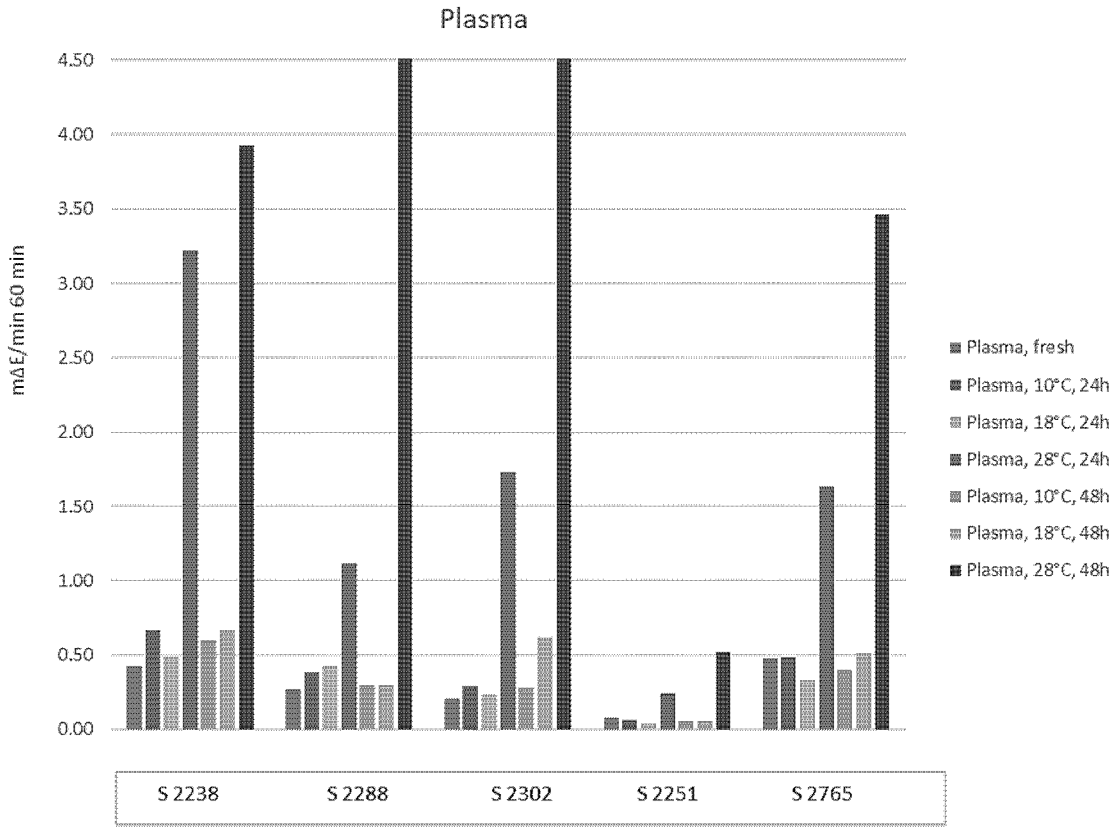

Plasma
mΔE/min 60 min
4.50
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
S 2238
S 2288
S 2302
S 2251
S 2765
Plasma, fresh
Plasma, 10°C, 24h
Plasma, 18°C, 24h
Plasma, 28°C, 24h
Plasma, 10°C, 48h
Plasma, 18°C, 48h
Plasma, 28°C, 48h

FIGURE 6A

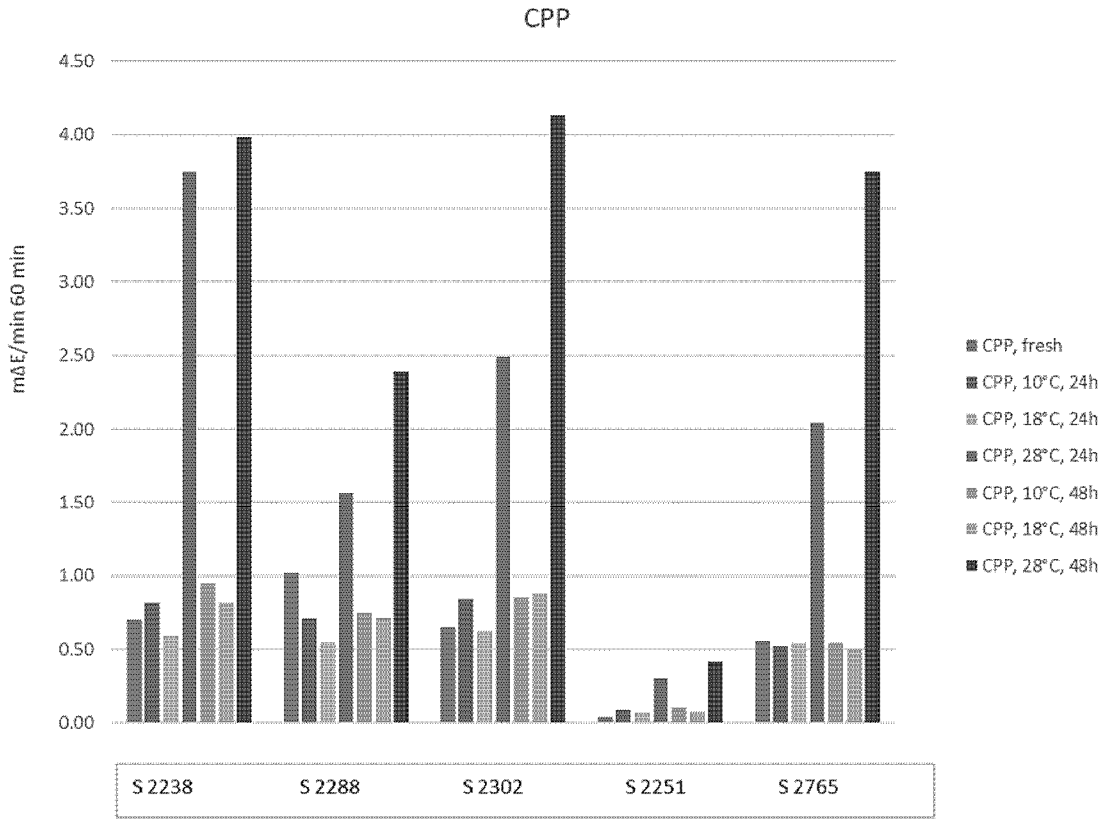

CPP
4.50
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
mΔE/min 60 min
S 2238
S 2288
S 2302
S 2251
S 2765
CPP, fresh
CPP, 10°C, 24h
CPP, 18°C, 24h
CPP, 28°C, 24h
CPP, 10°C, 48h
CPP, 18°C, 48h
CPP, 28°C, 48h

FIGURE 6B

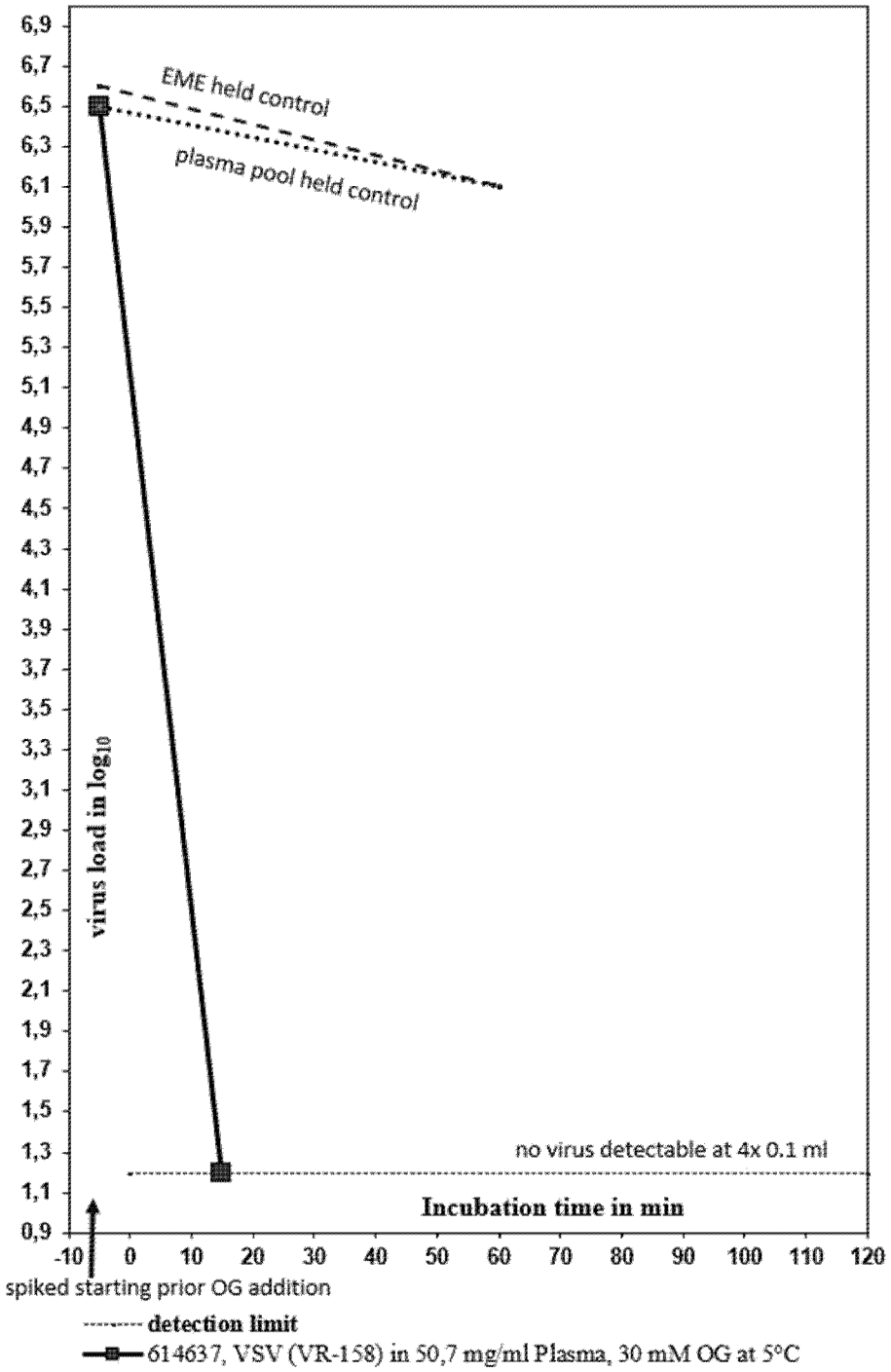
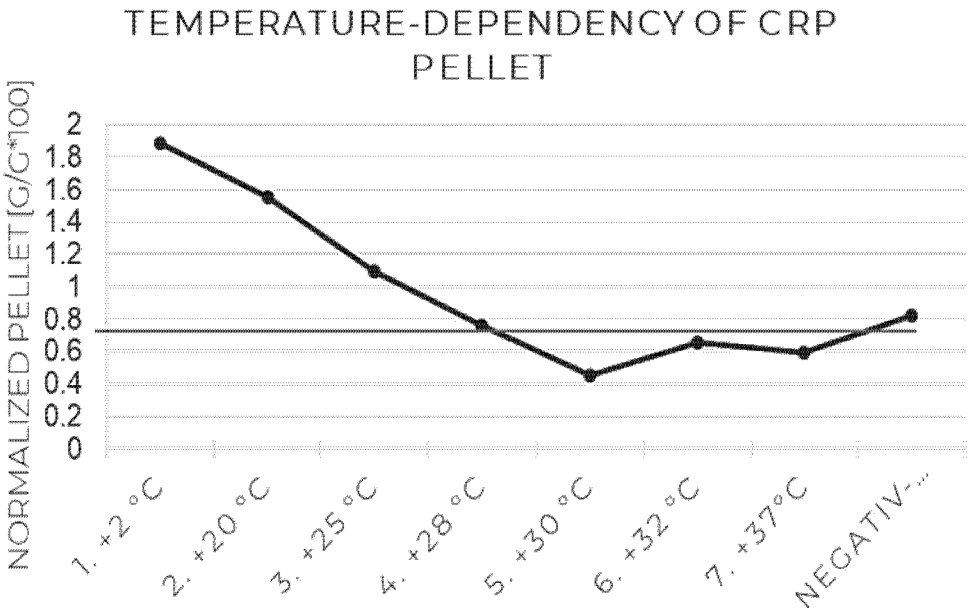

6,9
6,7
6,5
6,3
6,1
5,9
5,7
5,5
5,3
5,1
4,9
4,7
4,5
4,3
4,1
3,9
3,7
3,5
3,3
3,1
2,9
2,7
2,5
2,3
2,1
1,9
1,7
1,5
1,3
1,1
0,9
EME held control
plasma pool held control
virus load in log10
no virus detectable at 4x 0.1 ml
Incubation time in min
-10
0
10
20
30
40
50
60
70
80
90
100
110
120
spiked starting prior OG addition
detection limit
614637, VSV (VR-158) in 50,7 mg/ml Plasma, 30 mM OG at 5°C

FIGURE 7

A


TEMPERATURE-DEPENDENCY OF CRP PELLET
NORMALIZED PELLET [G/G*100]
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1. +2 °C
2. +20 °C
3. +25 °C
4. +28 °C
5. +30 °C
6. +32 °C
7. +37°C
NEGATIV-...

B

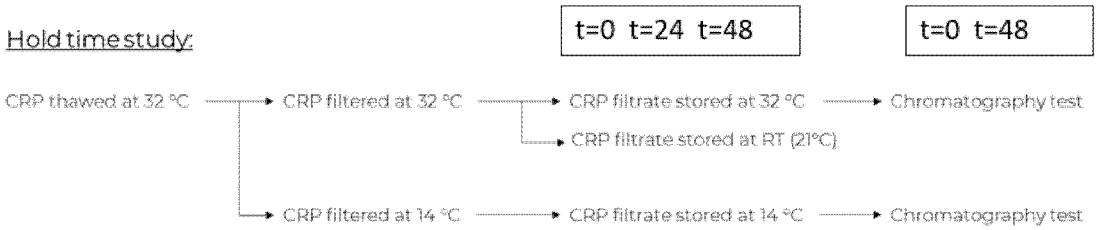
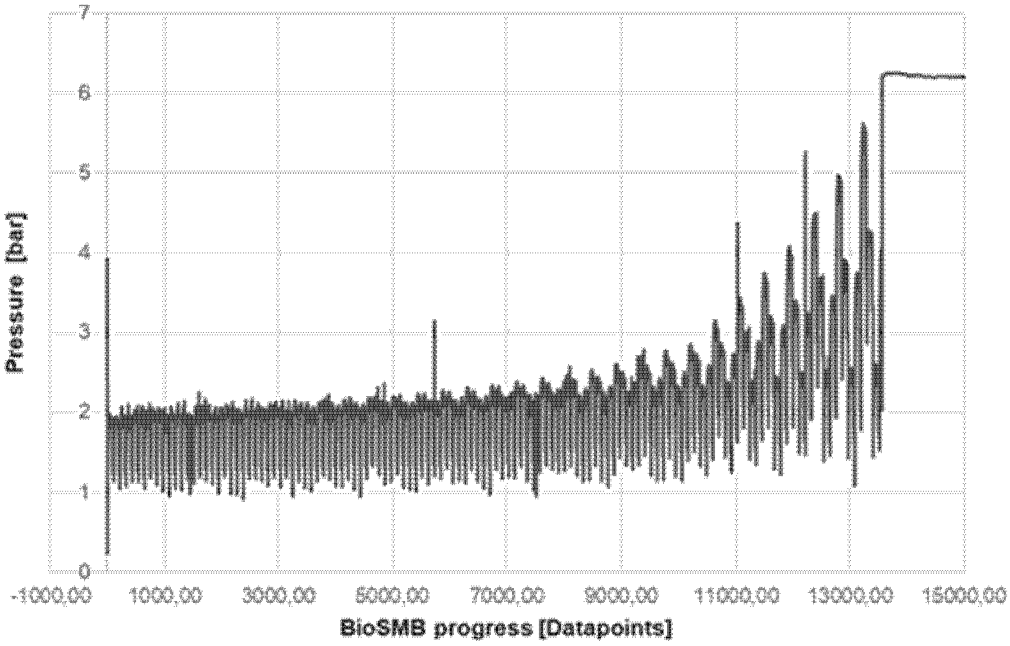

Hold time study:
t=0 t=24 t=48
t=0 t=48
CRP thawed at 32 °C
CRP filtered at 32 °C
CRP filtrate stored at 32 °C
Chromatography test
CRP filtrate stored at RT (21°C)
CRP filtered at 14 °C
CRP filtrate stored at 14 °C
Chromatography test

FIGURE 8

A


Pressure [bar]
0
1
2
3
4
5
6
7
-1000,00
1000,00
3000,00
5000,00
7000,00
9000,00
11000,00
13000,00
15000,00
BioSMB progress [Datapoints]

B

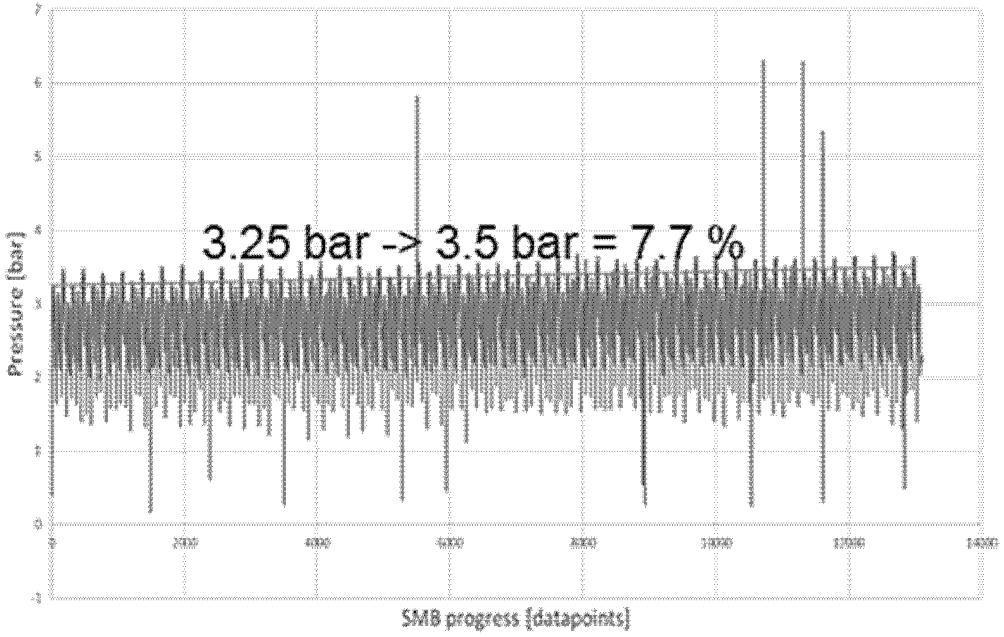
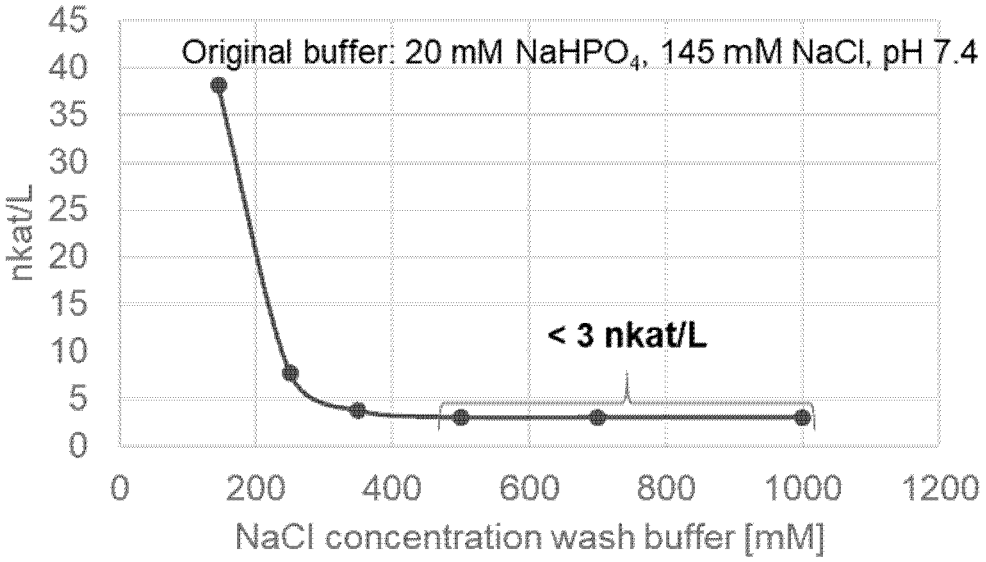

3.25 bar -> 3.5 bar = 7.7 %
Pressure [bar]
SMB progress [datapoints]

FIGURE 9

A


Original buffer: 20 mM NaHPO4, 145 mM NaCl, pH 7.4
nkat/L
45
40
35
30
25
20
15
10
5
0
< 3 nkat/L
0
200
400
600
800
1000
1200
NaCl concentration wash buffer [mM]

B

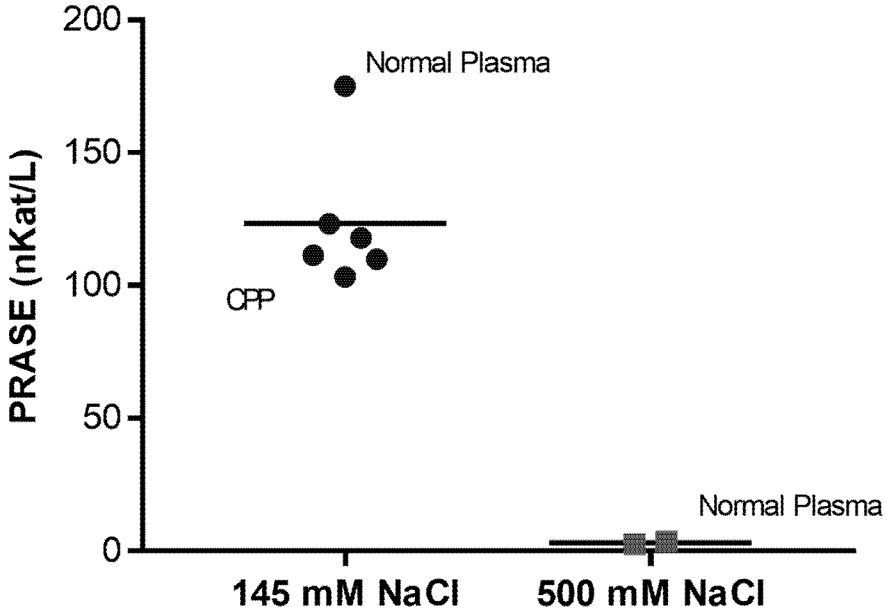
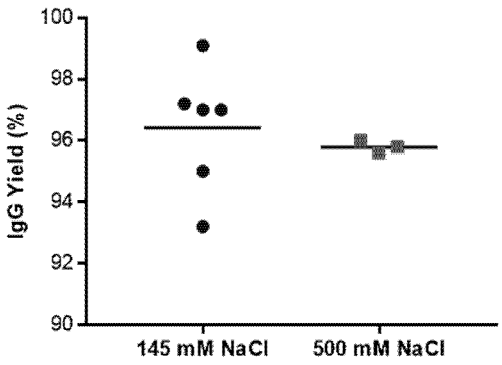
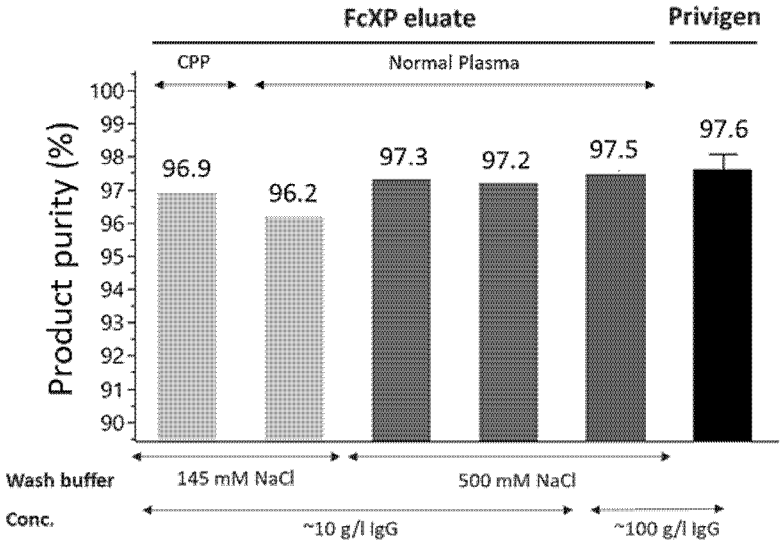

PRASE (nKat/L)
200
150
100
50
0
Normal Plasma
CPP
Normal Plasma
145 mM NaCl
500 mM NaCl

FIGURE 10

A



B



C

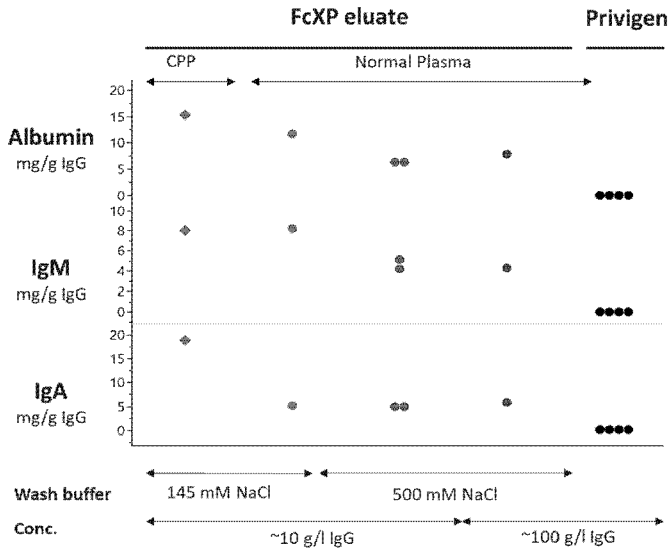


FIGURE 11