Fig. 1

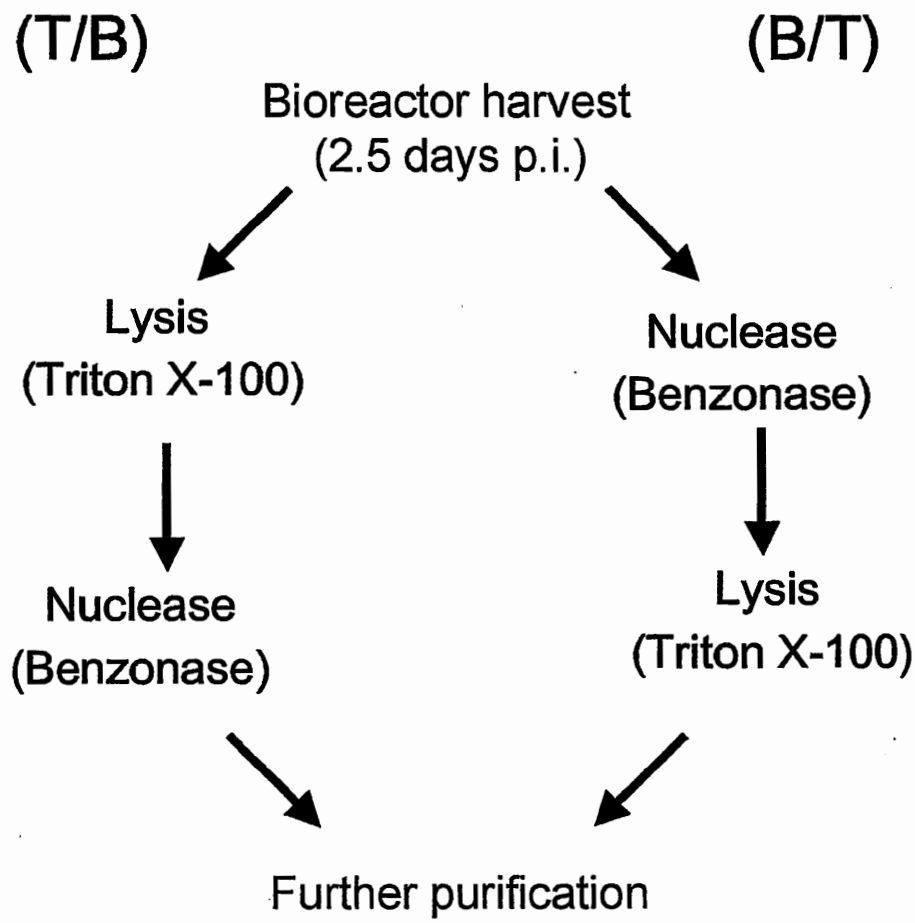

(T/B)
(B/T)
Bioreactor harvest
(2.5 days p.i.)
Lysis
(Triton X-100)
Nuclease
(Benzonase)
Nuclease
(Benzonase)
Lysis
(Triton X-100)
Further purification

Fig. 2

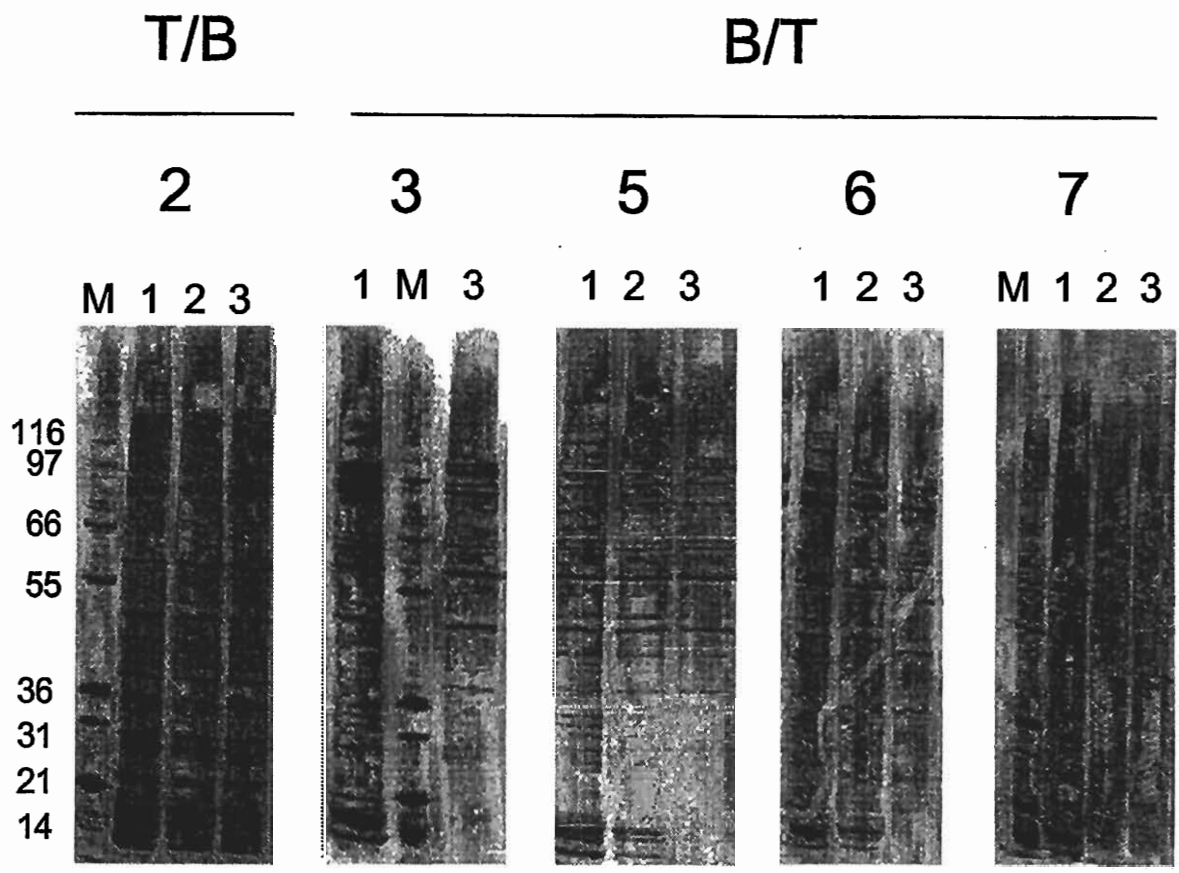
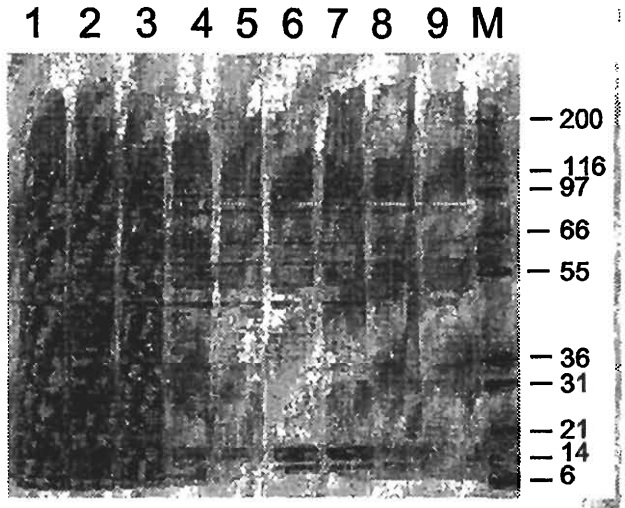


Fig. 3

A.


1 2 3 4 5 6 7 8 9 M
200
116
97
66
55
36
31
21
14
6

B.

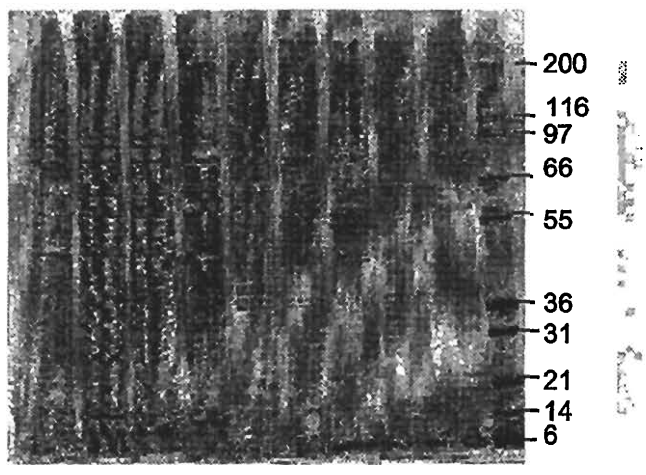

1 2 3 4 5 6 7 8 9 M
200
116
97
66
55
36
31
21
14
6

Fig. 4

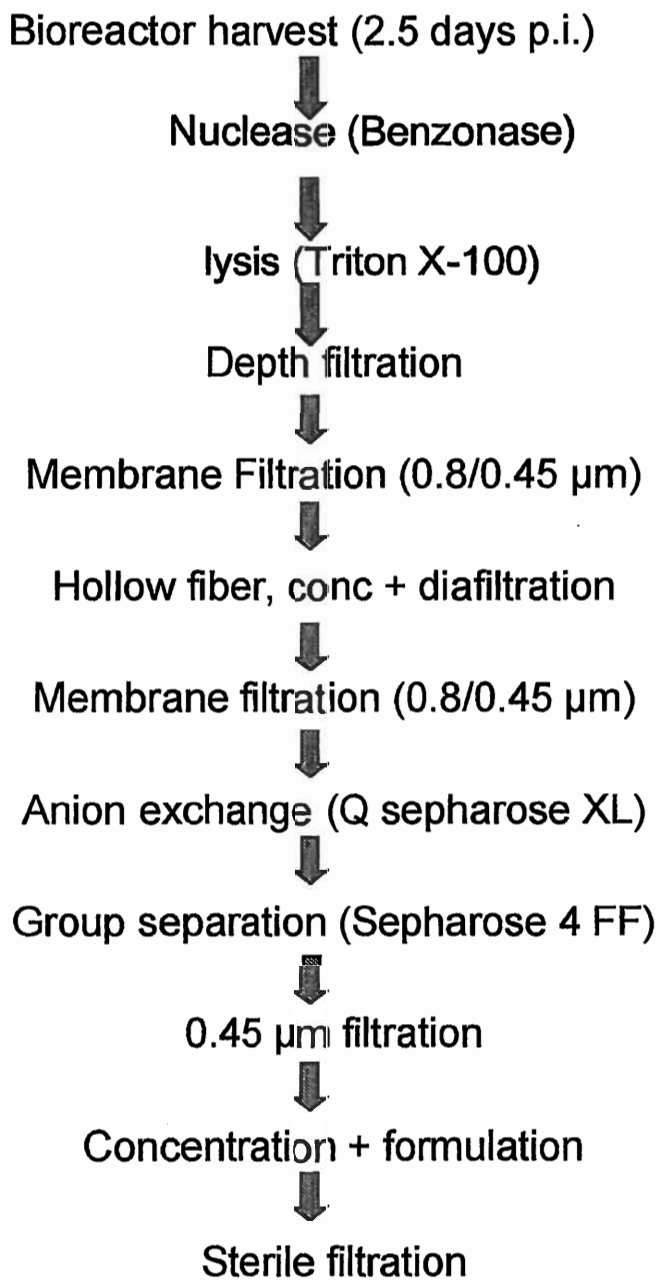

Bioreactor harvest (2.5 days p.i.)
Nuclease (Benzonase)
lysis (Triton X-100)
Depth filtration
Membrane Filtration (0.8/0.45 µm)
Hollow fiber, conc + diafiltration
Membrane filtration (0.8/0.45 µm)
Anion exchange (Q sepharose XL)
Group separation (Sepharose 4 FF)
0.45 µm filtration
Concentration + formulation
Sterile filtration

Fig. 5

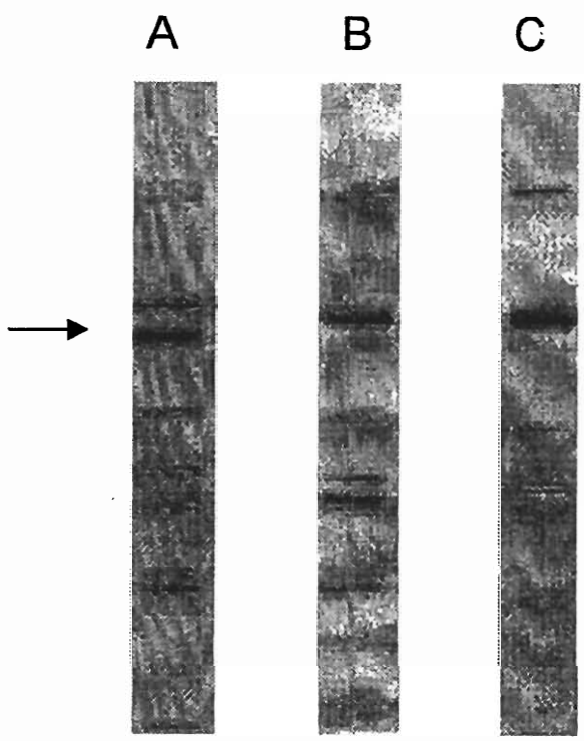
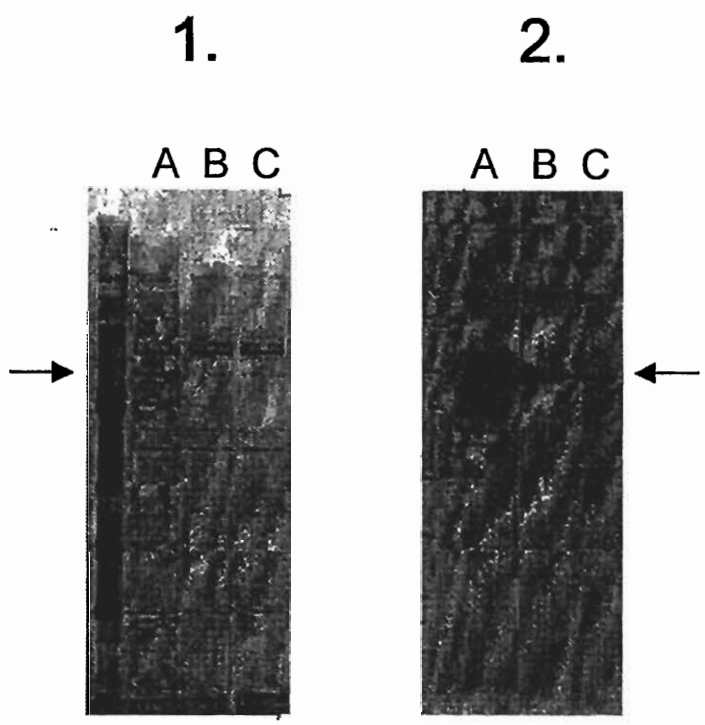


Fig. 6

Bioreactor harvest (2.5 days p.i.)
Benzonase
Triton X-100 lysis
Depth filtration
Membrane Filtration
Hollow fiber, conc + diafiltration
Membrane filtration
Anion exchange
Group separation
Product A
Buffer exchange to 5M NaCl
Group separation
Product B
Storage overnight
Group separation
Product C

Fig. 7



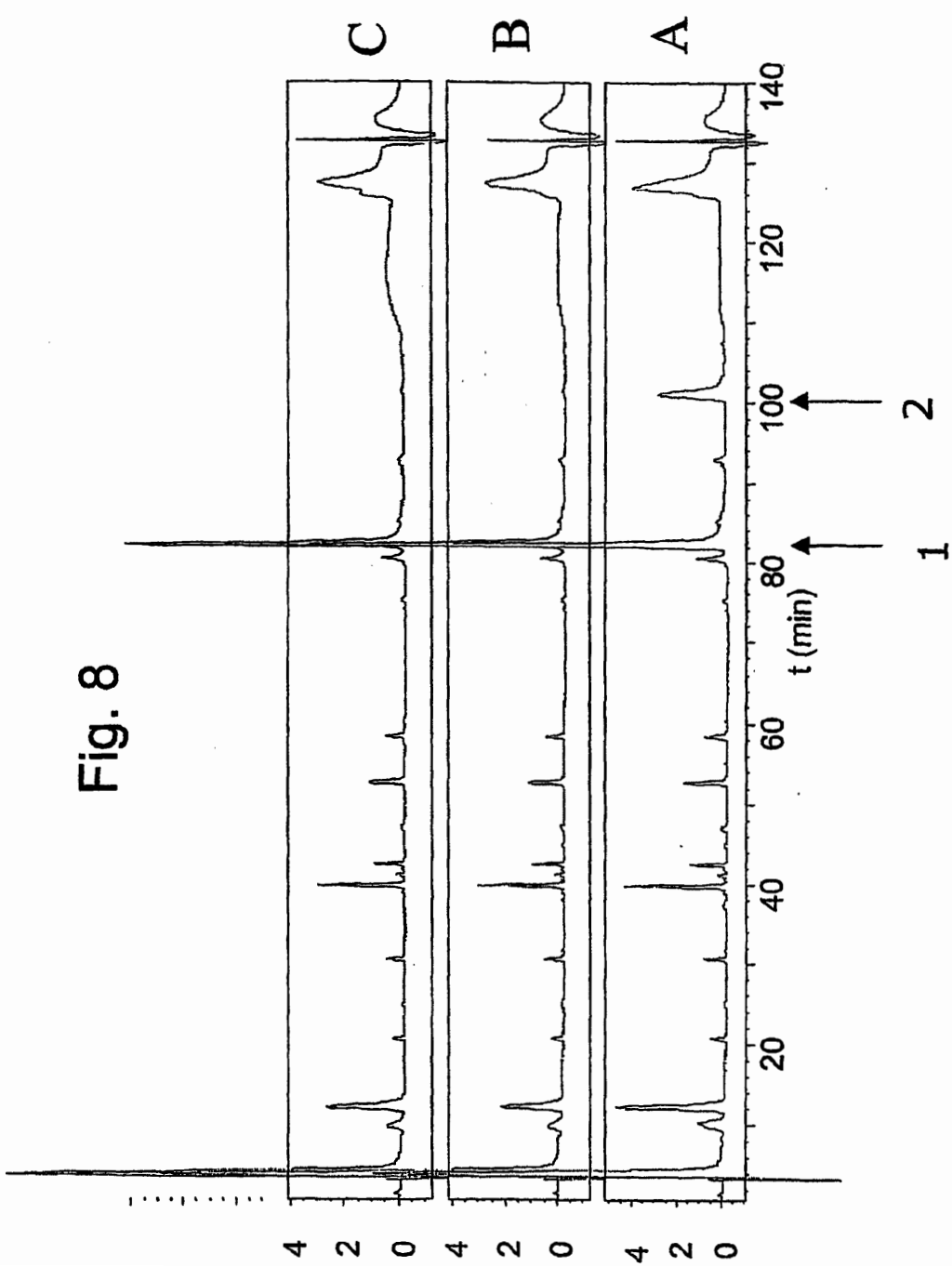


Fig. 8

Fig. 9

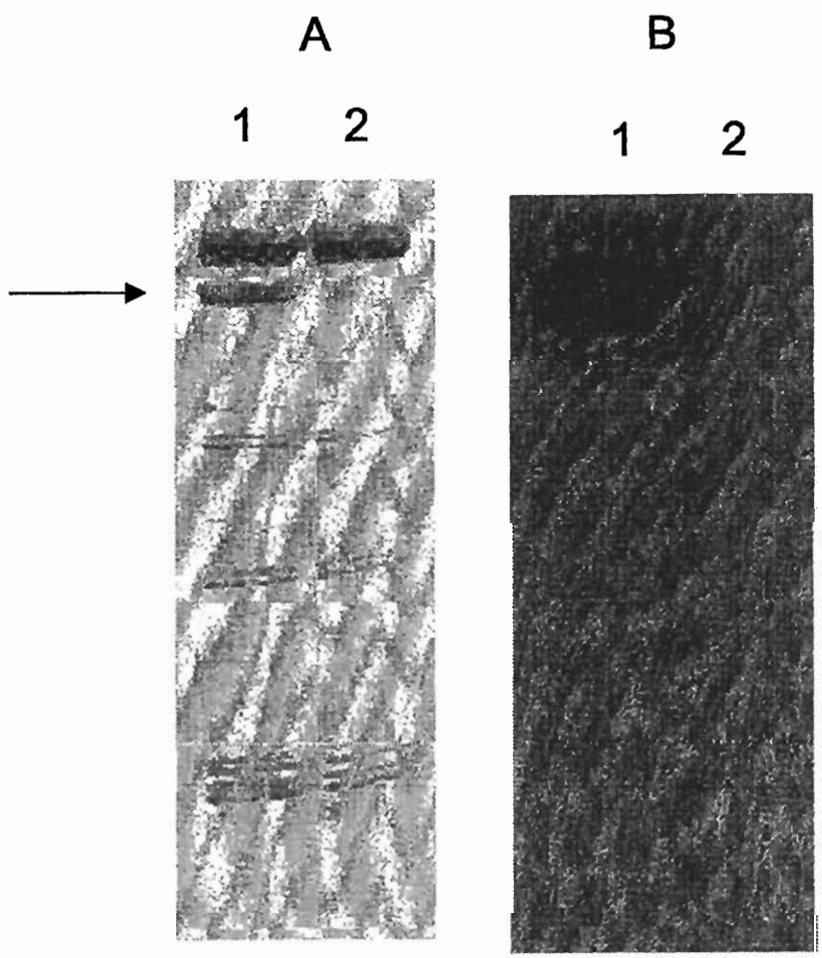


Fig. 10

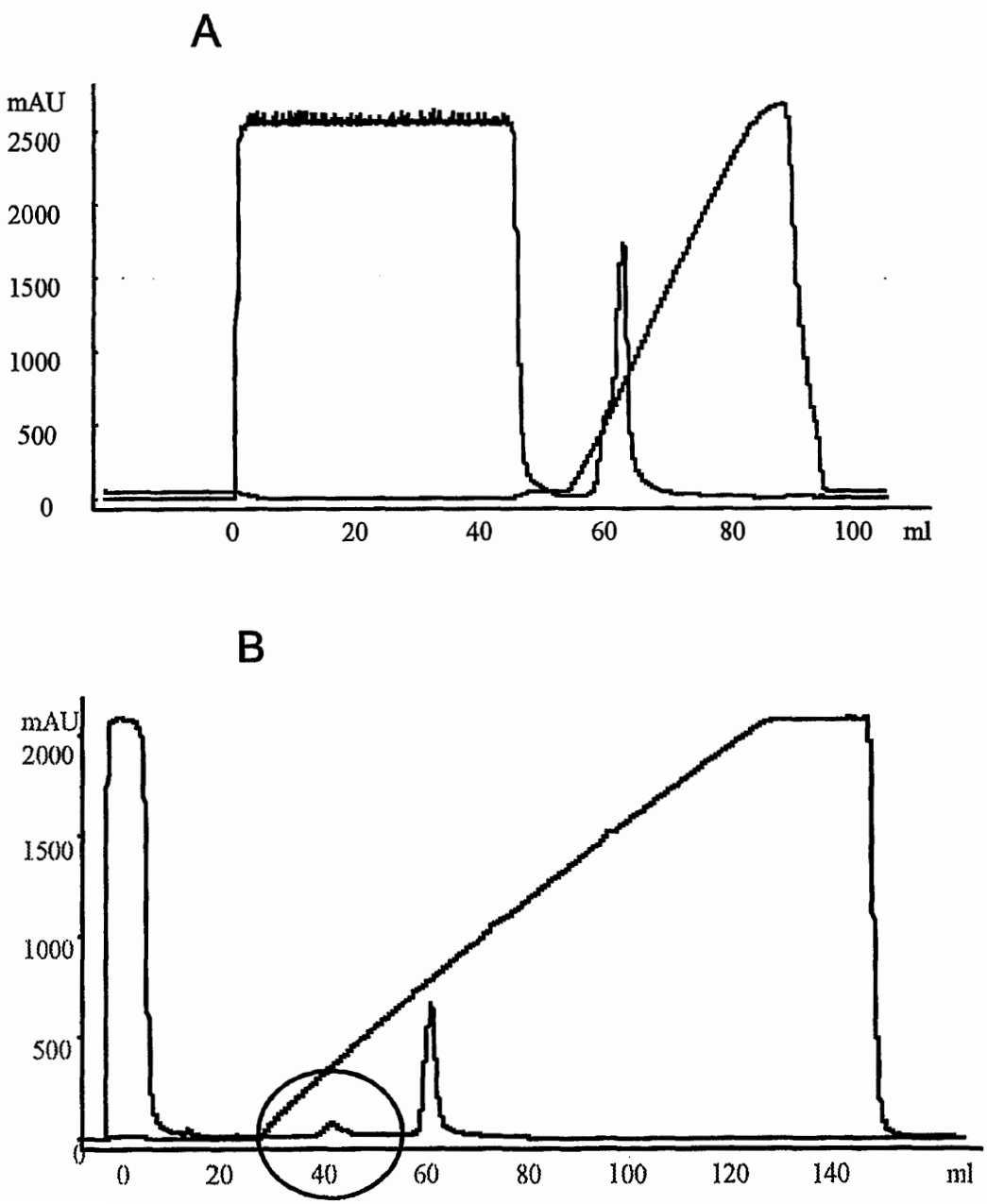
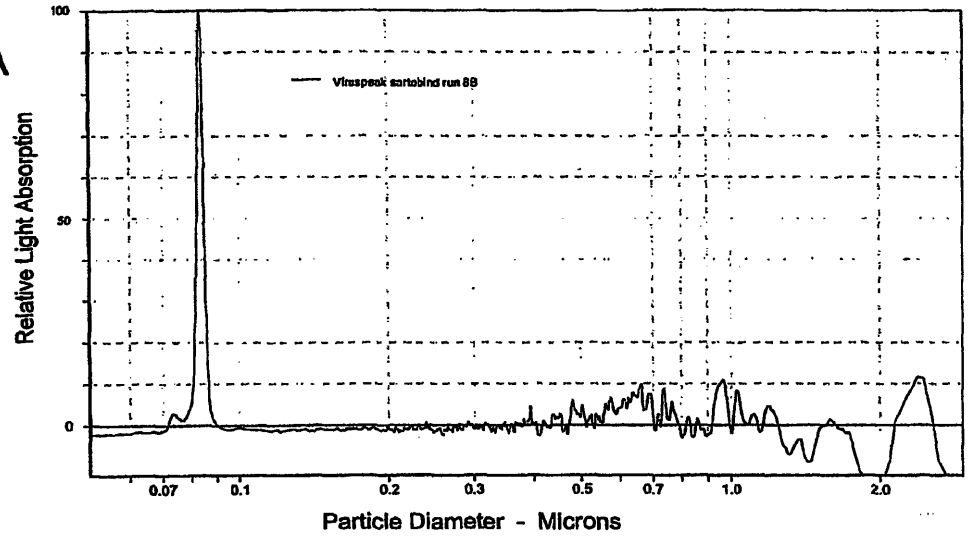

A
mAU
2500
2000
1500
1000
500
0
0
20
40
60
80
100
ml
B
mAU
2000
1500
1000
500
0
0
20
40
60
80
100
120
140
ml

Fig. 11

A


100
50
0
Relative Light Absorption
Virospeak sartobind run 88
0.07
0.1
0.2
0.3
0.5
0.7
1.0
2.0
Particle Diameter - Microns

B

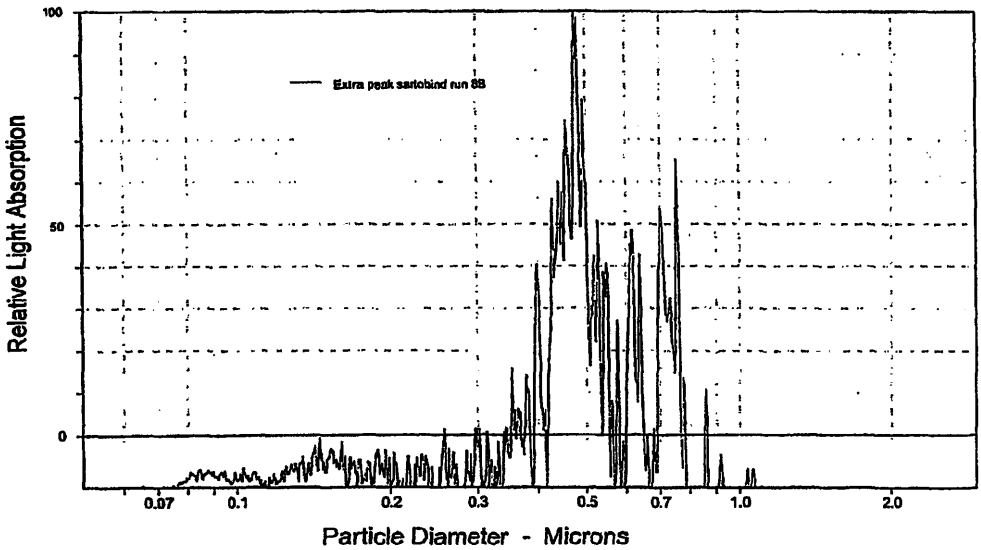

100
50
0
Relative Light Absorption
Extra peak sartobind run 88
0.07
0.1
0.2
0.3
0.5
0.7
1.0
2.0
Particle Diameter - Microns

Fig. 12

