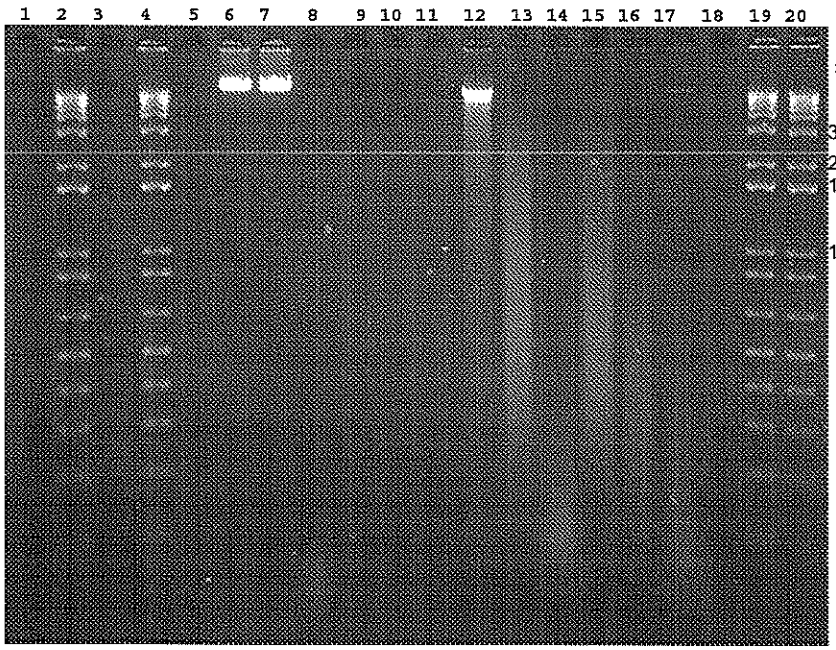
Figure 1



Lane	Sample
1	Buffer only
2	Ladder in TE
3	-
4	Ladder in post-clarification feedstream (PCLF)
5	-
	Controls
6	λ DNA in PCLF (no Benz.)
7	stop control (λ +PCLF+EDTA+Benz.)
8	positive control (λ DNA in buffer + Benz.)
9	PCLF from production lot
10	Benzonase sample from production lot
11	AEX FT sample from production lot
	Spike digests
12	5 min at 15°C
13	20 min at 15°C
14	62 min at 15°C
15	5 min at 37°C
16	20 min at 37°C
17	62 min at 37°C
18	-
19	Ladder in PCLF
20	Ladder in TE

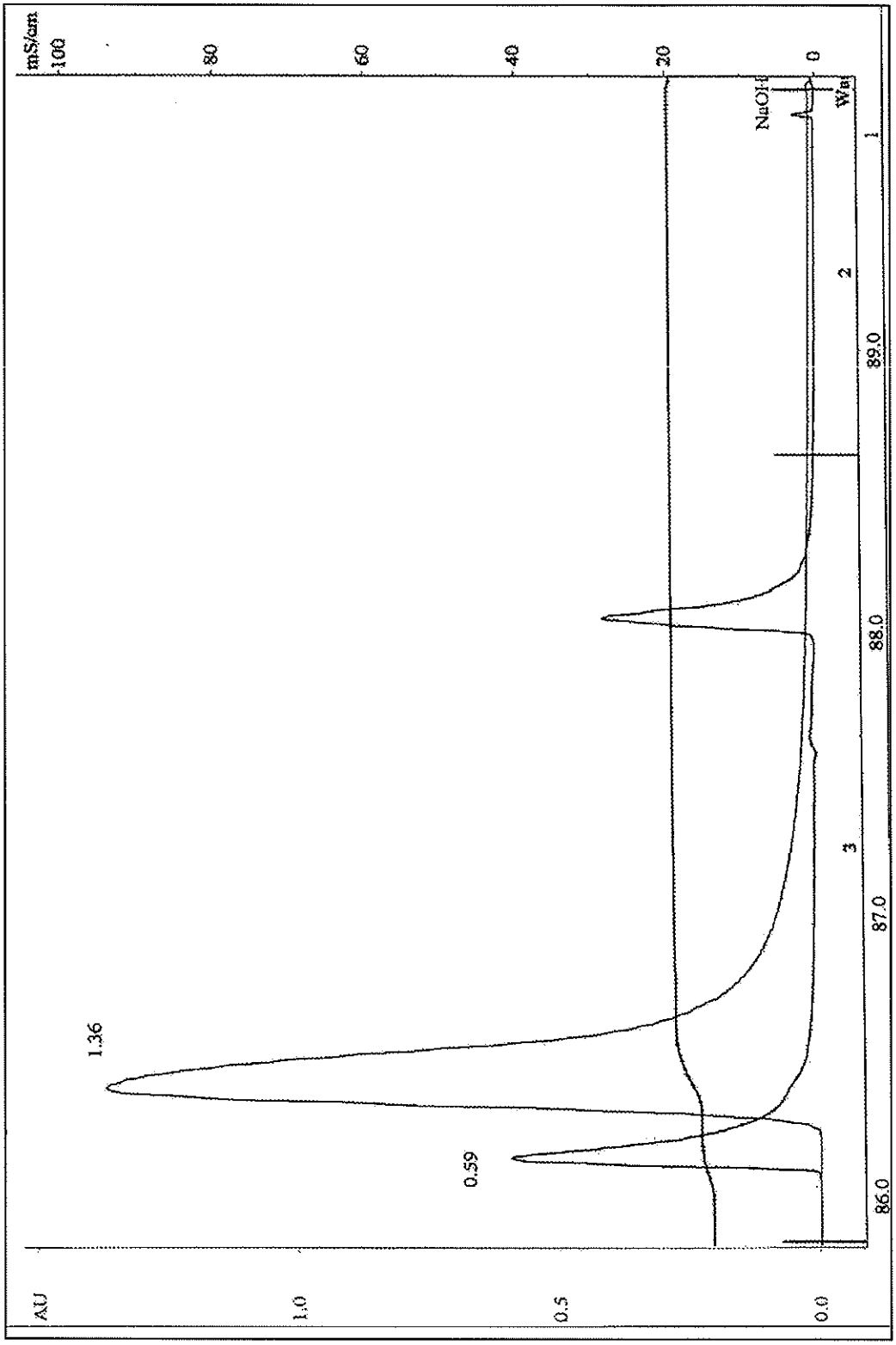
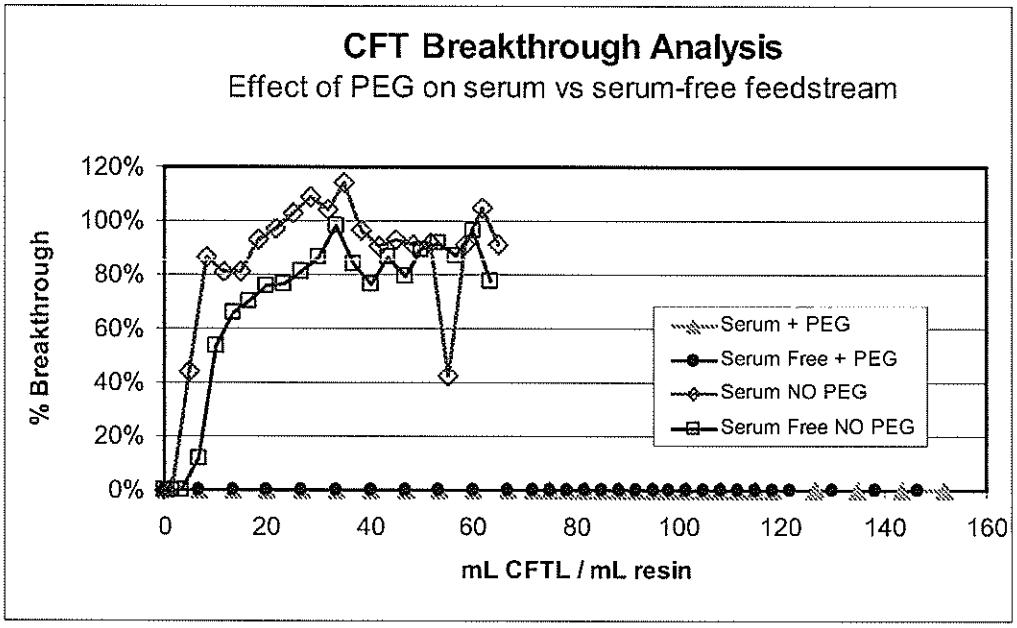

mS/cm
100
80
60
40
20
0
NaOH
Wat
1
2
3
89.0
88.0
87.0
86.0
1.36
0.59
AU
1.0
0.5
0.0

Figure 2

Figure 3



	Load ratio for 1% breakthrough	% Recovered in Elution
Serum NO PEG	~ 2	NA
Serum Free NO PEG	~ 6	NA
Serum + PEG	>150	71%
Serum Free + PEG	>150	69%

Figure 4

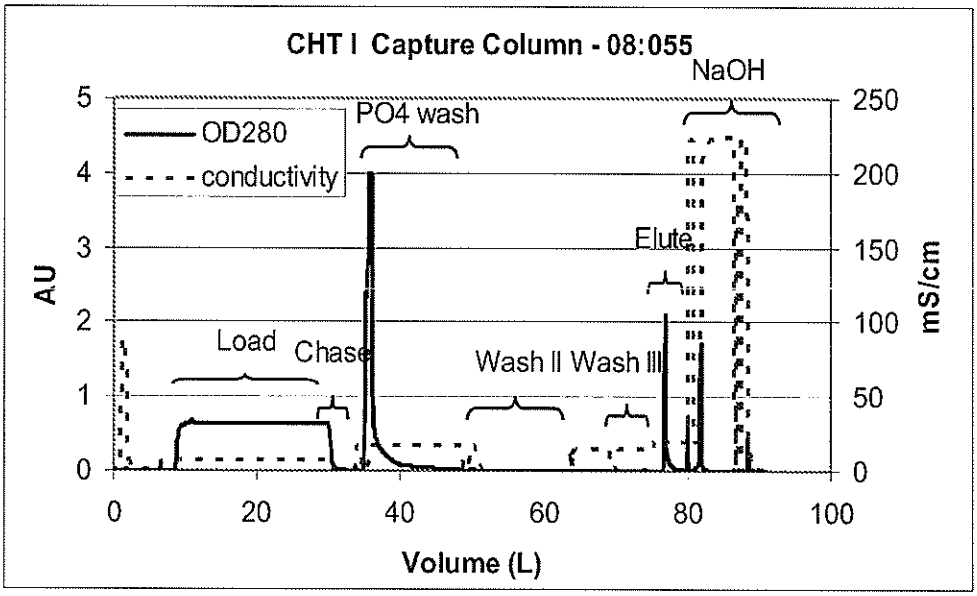

CHT I Capture Column - 08:055
NaOH
PO4 wash
OD280
conductivity
Elute
Load
Chase
Wash II
Wash III
AU
mS/cm
Volume (L)
0
1
2
3
4
5
0
50
100
150
200
250
0
20
40
60
80
100

Figure 5

A

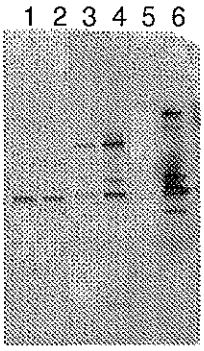
Fraction	CFT	CHT
FT	0%	0%
PO4	1%	2%
WII/III	0%	0%
Elution	71%	65%
Mass Balance	72%	68%

B



MW - Mark 12
1. CFT elution
2. CHT elution

C



1. CFT elution (1E9 DRP)
2. CHT elution (1E9 DRP)
3. Ad5 (3E7 DRG)
4. Ad5 (3E8 DRG)
5. See Blue MW
6. Capture load (1E8 DRP)

Figure 6

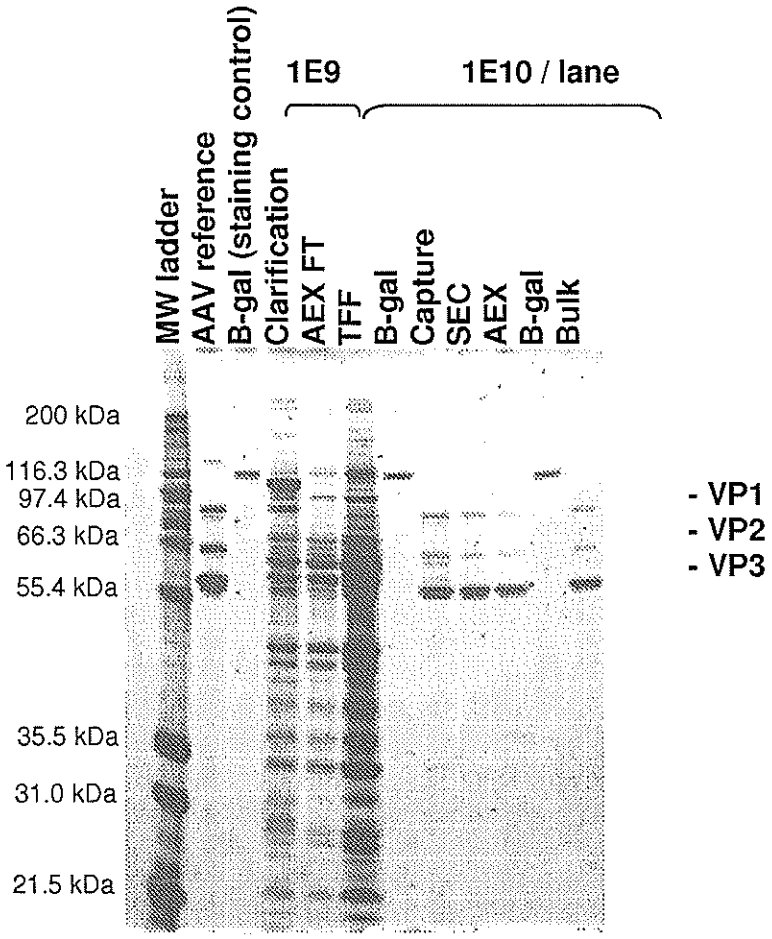
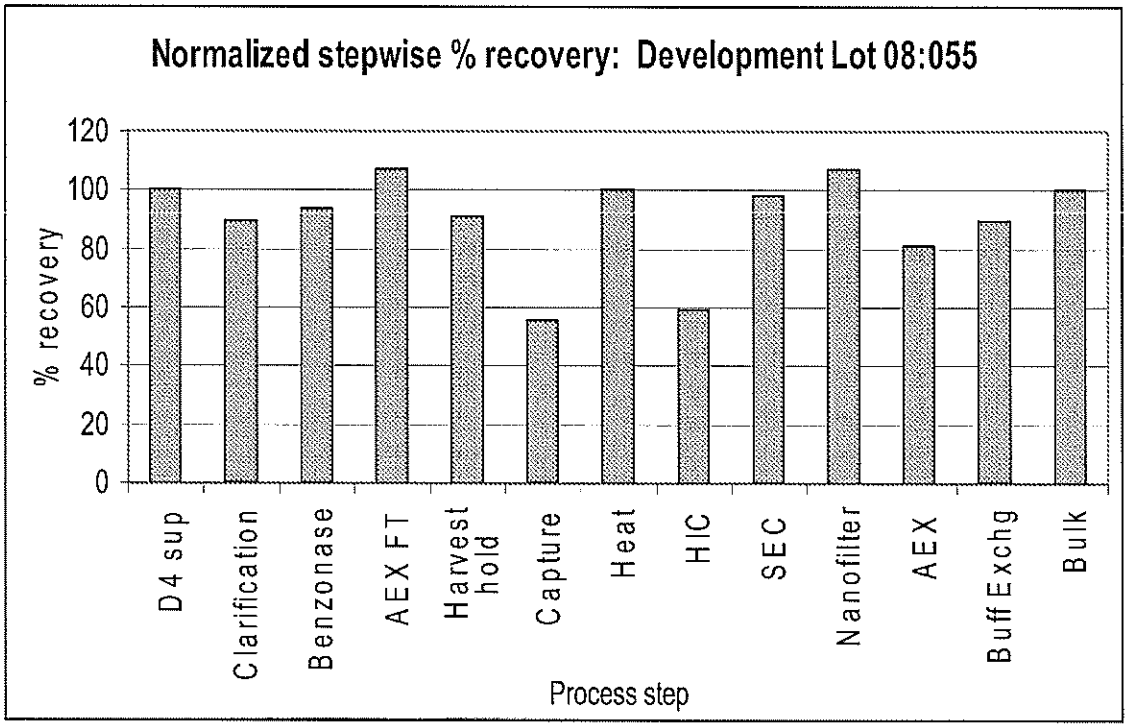

1E9
1E10 / lane
MW ladder
AAV reference
B-gal (staining control)
Clarification
AEX FT
TFF
B-gal
Capture
SEC
AEX
B-gal
Bulk
200 kDa
116.3 kDa
97.4 kDa
66.3 kDa
55.4 kDa
35.5 kDa
31.0 kDa
21.5 kDa
- VP1
- VP2
- VP3

Figure 7


Normalized stepwise % recovery: Development Lot 08:055
% recovery
120
100
80
60
40
20
0
D4 sup
Clarification
Benzonase
AEX FT
Harvest hold
Capture
Heat
HIC
SEC
Nanofilter
AEX
Buff Exchg
Bulk
Process step