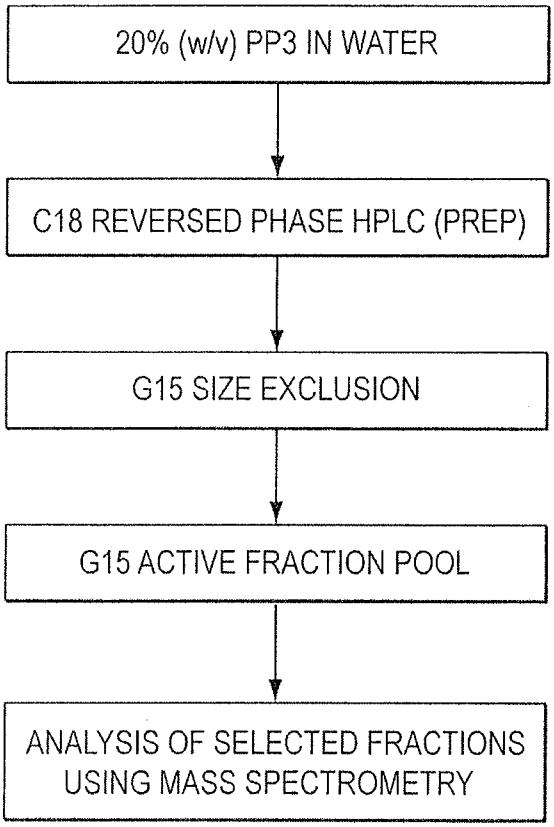

20% (w/v) PP3 IN WATER
C18 REVERSED PHASE HPLC (PREP)
G15 SIZE EXCLUSION
G15 ACTIVE FRACTION POOL
ANALYSIS OF SELECTED FRACTIONS USING MASS SPECTROMETRY

FIG. 1

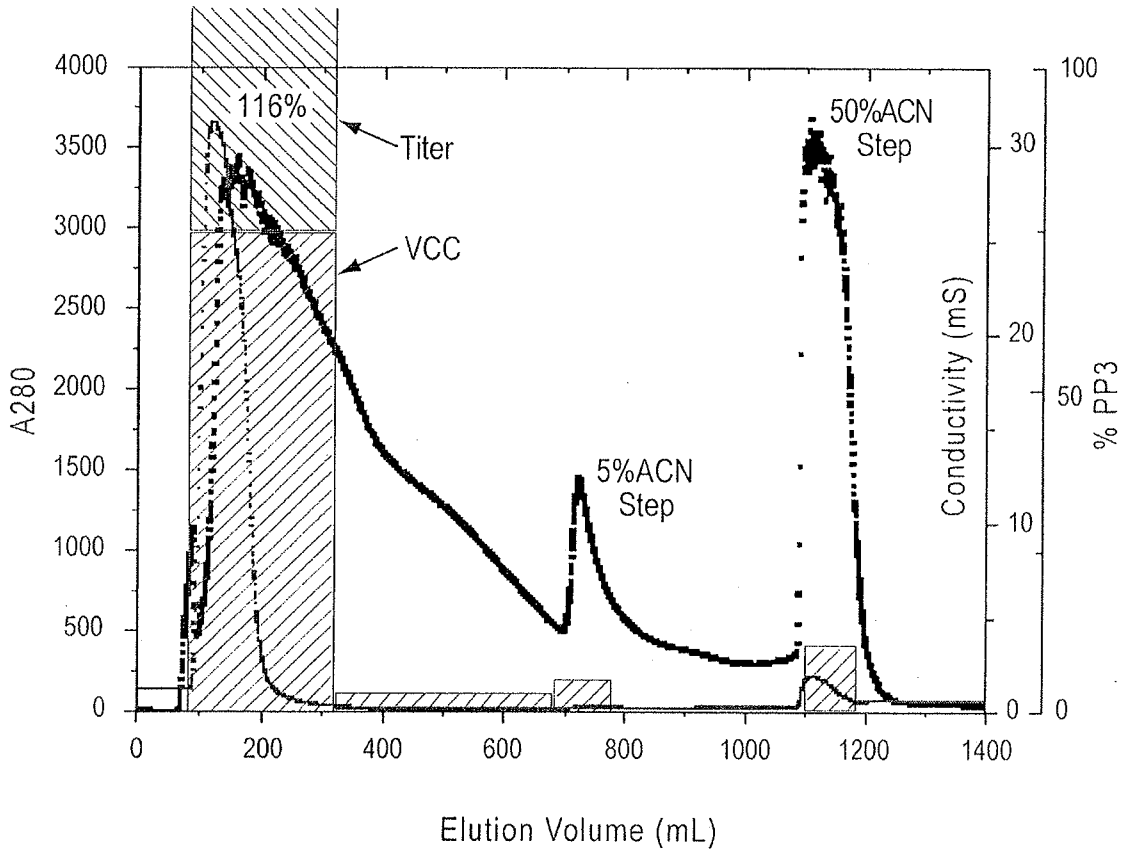

116%
Titer
VCC
5%ACN
Step
50%ACN
Step
A280
Conductivity (mS)
% PP3
Elution Volume (mL)
4000
3500
3000
2500
2000
1500
1000
500
0
100
30
20
50
10
0
0
200
400
600
800
1000
1200
1400

FIG. 2

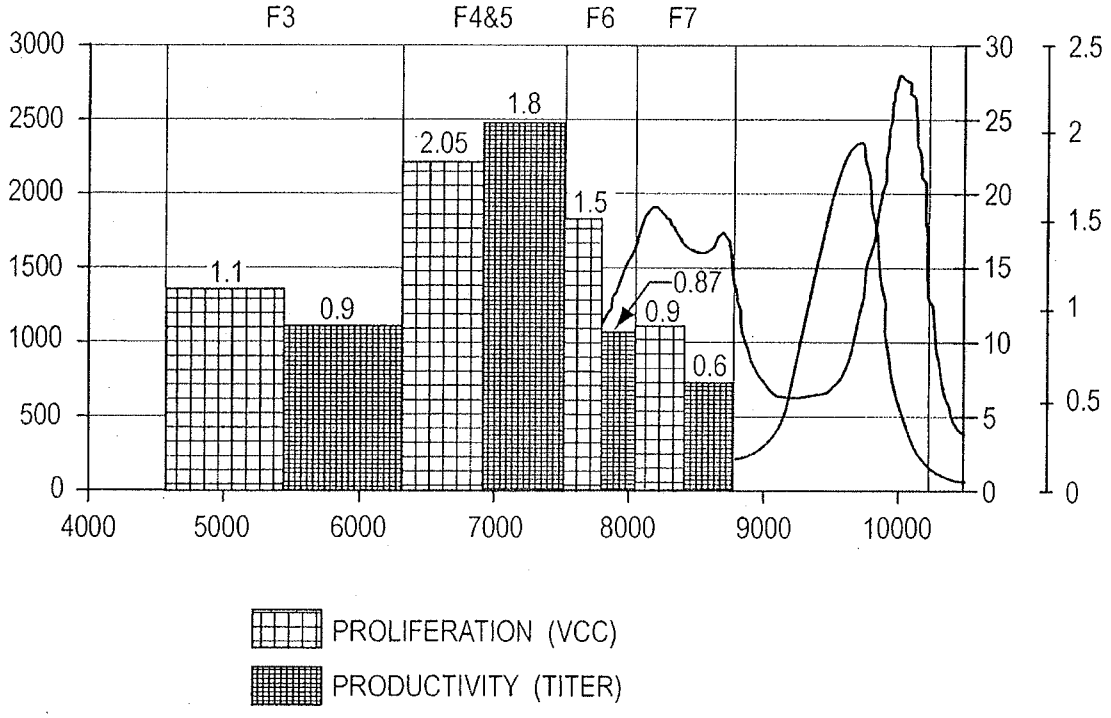

F3
F4&5
F6
F7
3000
2500
2000
1500
1000
500
0
30
25
20
15
10
5
0
2.5
2
1.5
1
0.5
0
1.1
0.9
2.05
1.8
1.5
0.87
0.9
0.6
4000
5000
6000
7000
8000
9000
10000
PROLIFERATION (VCC)
PRODUCTIVITY (TITER)

FIG. 3

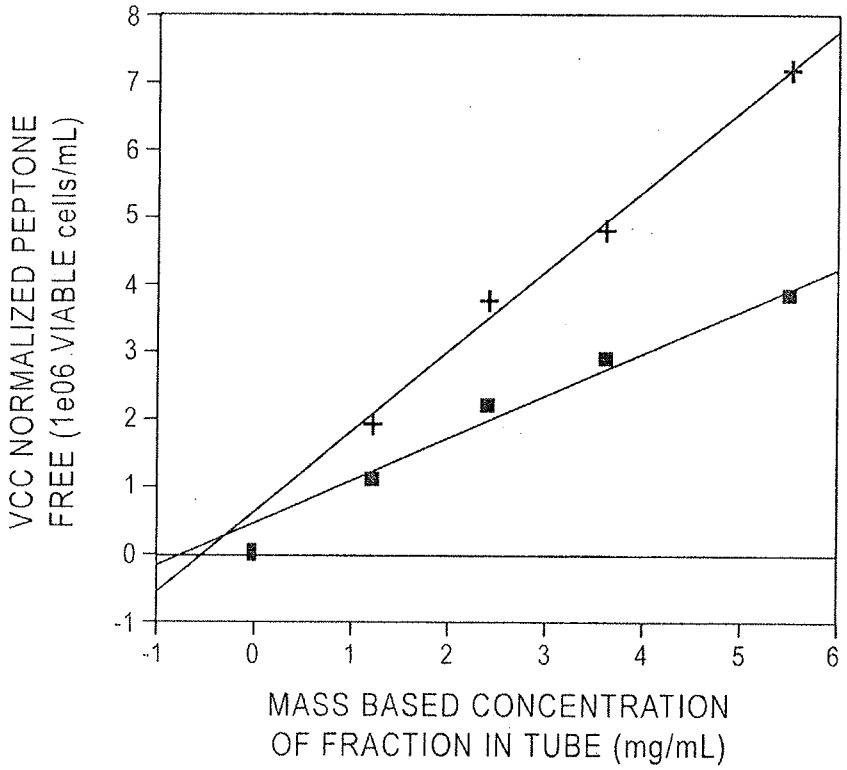

VCC NORMALIZED PEPTONE FREE (1e06 VIABLE cells/mL)
8
7
6
5
4
3
2
1
0
-1
-1
0
1
2
3
4
5
6
MASS BASED CONCENTRATION OF FRACTION IN TUBE (mg/mL)

FIG. 4A

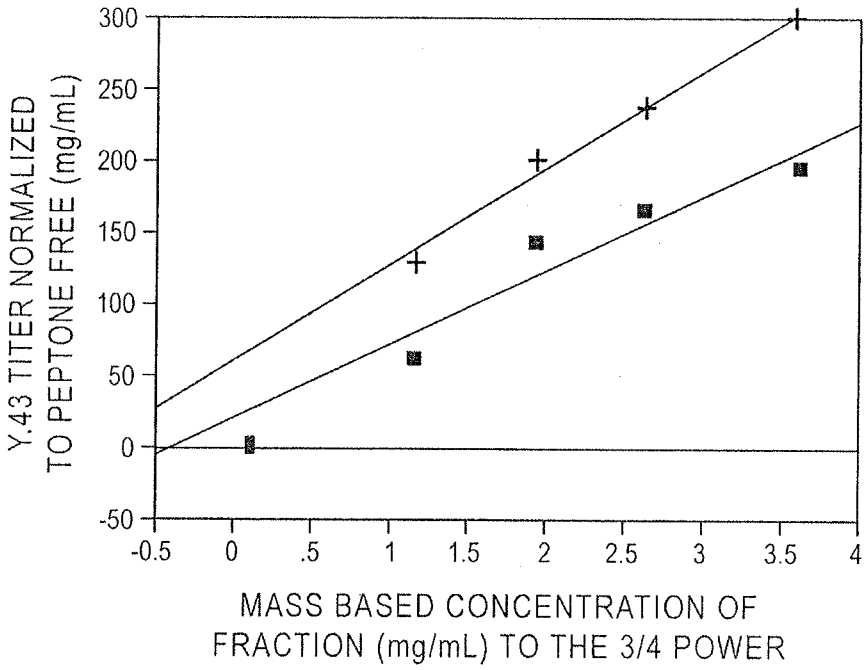

Y.43 TITER NORMALIZED TO PEPTONE FREE (mg/mL)
300
250
200
150
100
50
0
-50
-0.5
0
.5
1
1.5
2
2.5
3
3.5
4
MASS BASED CONCENTRATION OF FRACTION (mg/mL) TO THE 3/4 POWER

FIG. 4B

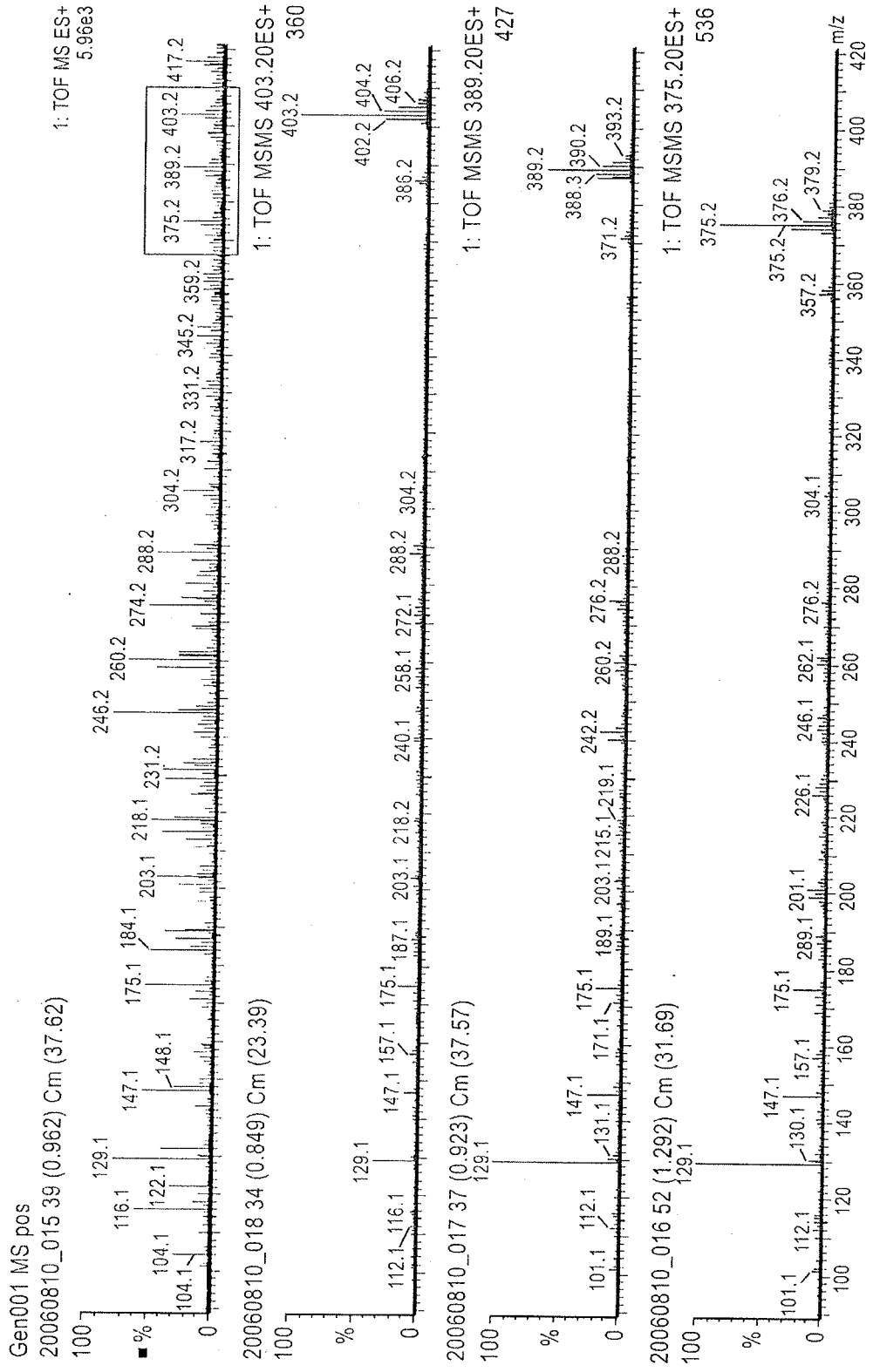

Gen001 MS pos
20060810_015 39 (0.962) Cm (37.62)
1: TOF MS ES+
5.96e3
20060810_018 34 (0.849) Cm (23.39)
1: TOF MSMS 403.20ES+
20060810_017 37 (0.923) Cm (37.57)
1: TOF MSMS 389.20ES+
20060810_016 52 (1.292) Cm (31.69)
1: TOF MSMS 375.20ES+
m/z

FIG. 5

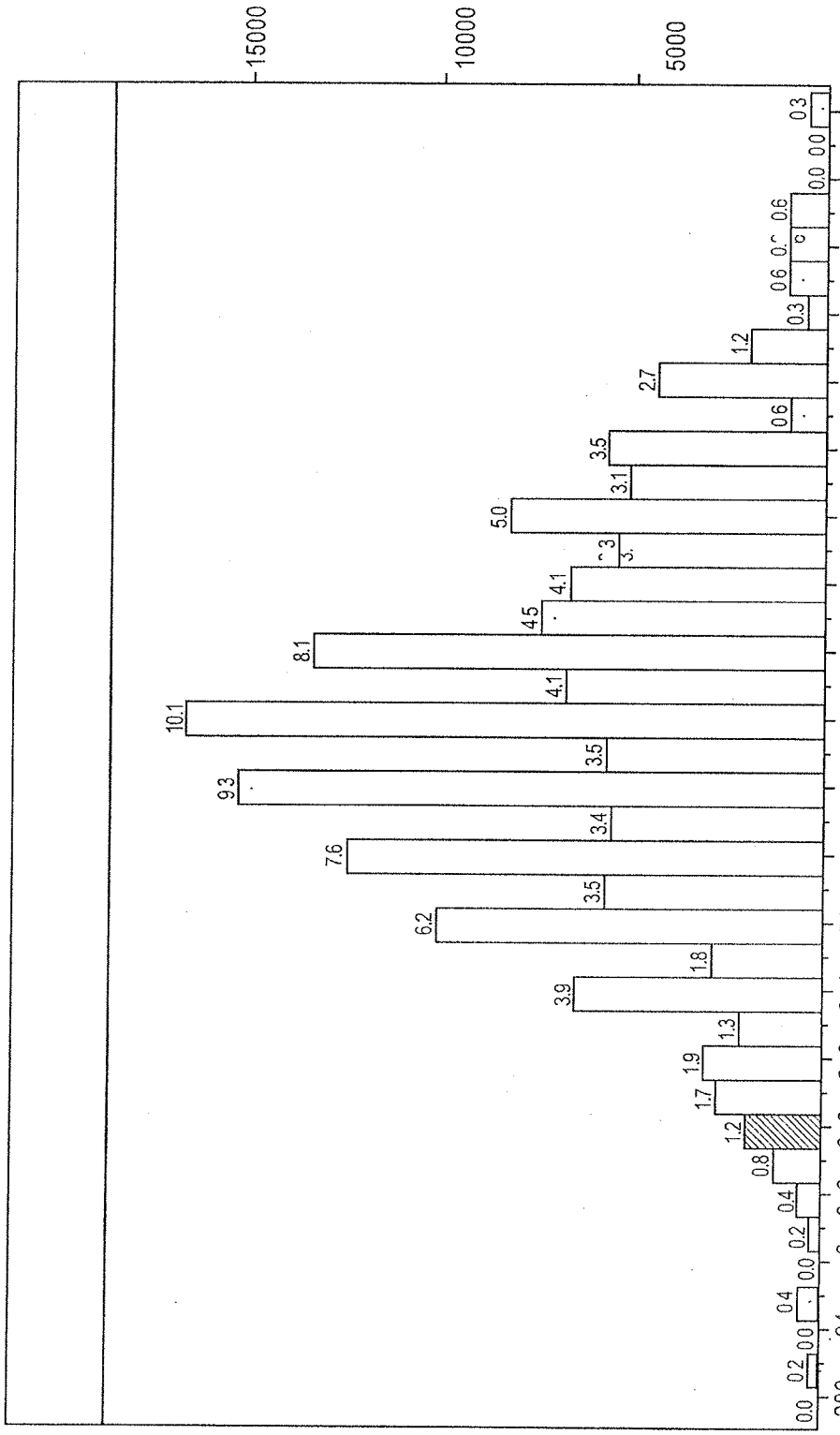

15000
10000
5000
0.0
0.2
0.0
0.4
0.2
0.0
0.4
0.8
1.2
1.7
1.9
1.3
3.9
1.8
6.2
3.5
7.6
3.4
9.3
3.5
10.1
4.1
8.1
4.5
4.1
5.0
3.1
3.5
0.6
2.7
1.2
0.3
0.6
0.0
0.0
0.3
280
294
308
322
336
350
364
378
392
406
420
434
448
462
476
490
504
518
532
546

FIG. 6

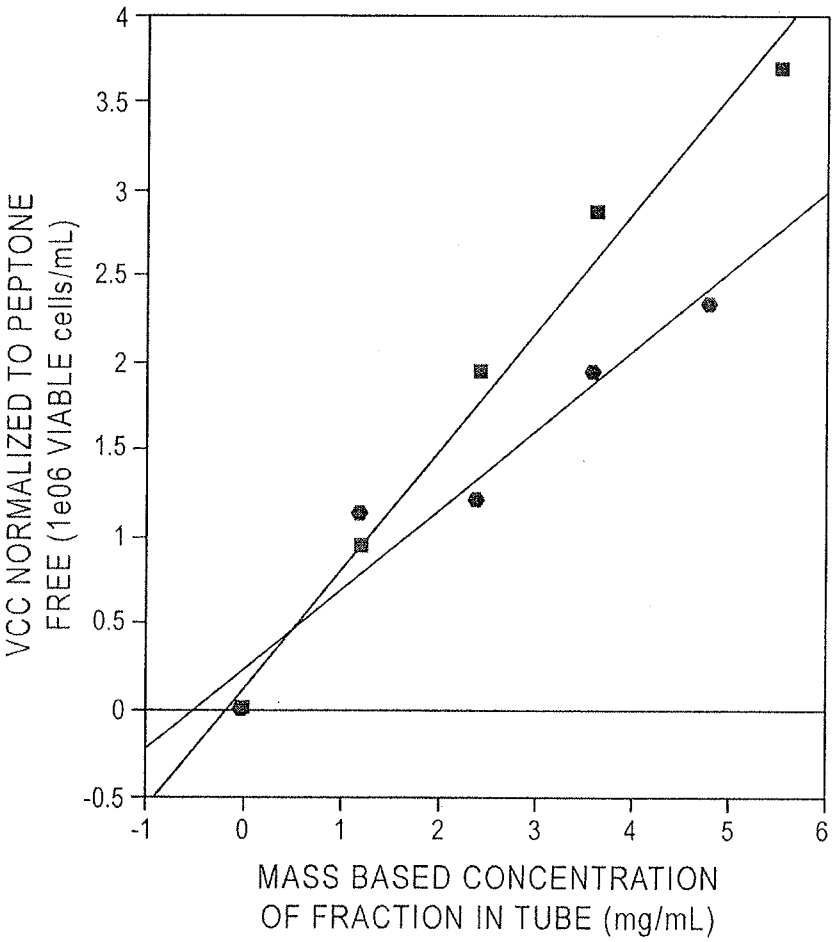

VCC NORMALIZED TO PEPTONE FREE (1e06 VIABLE cells/mL)
MASS BASED CONCENTRATION OF FRACTION IN TUBE (mg/mL)
4
3.5
3
2.5
2
1.5
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6

FIG. 7A

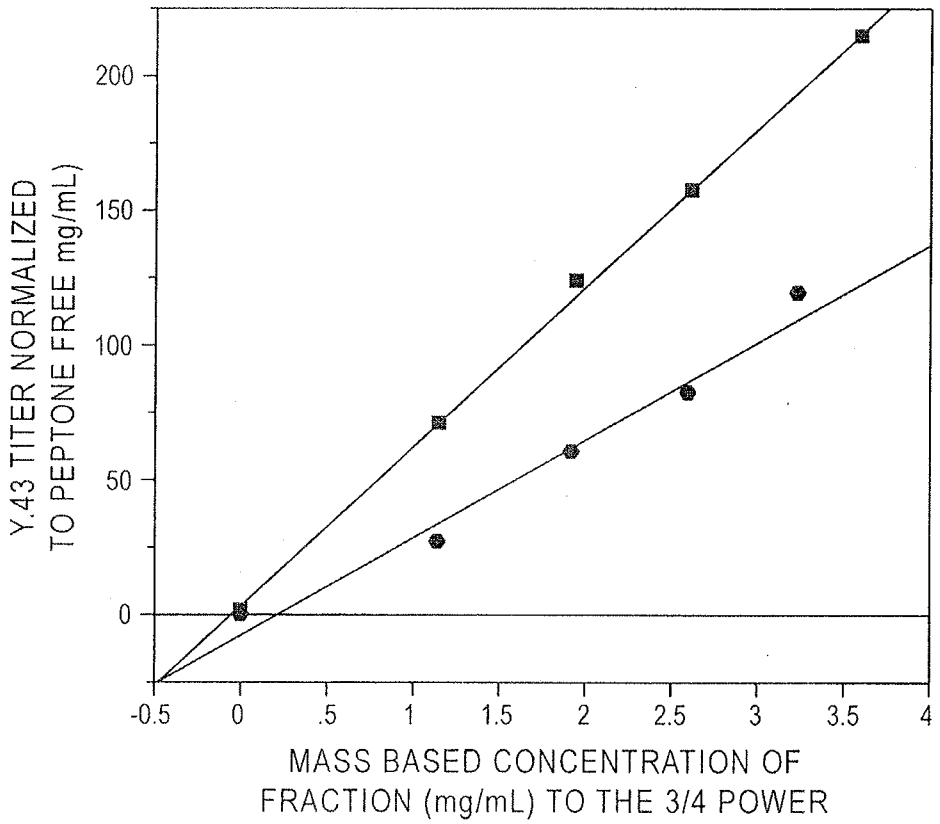


FIG. 7B

MKFLCVLLLA SLAATSLAIL NKPEDETHLE AQPTDASAQF IRNLQISNED
LSKEPSISRE DLISKEQIVI RSSRQPQSQN PKLPLSILKE KHLRNATLGS
EETTEHTPSD ASTTEGKLME LGHKIMRNLE NTVKETIKYL KSLFSHAFEV
VKT (SEQ ID NO: 1)

FIG. 8