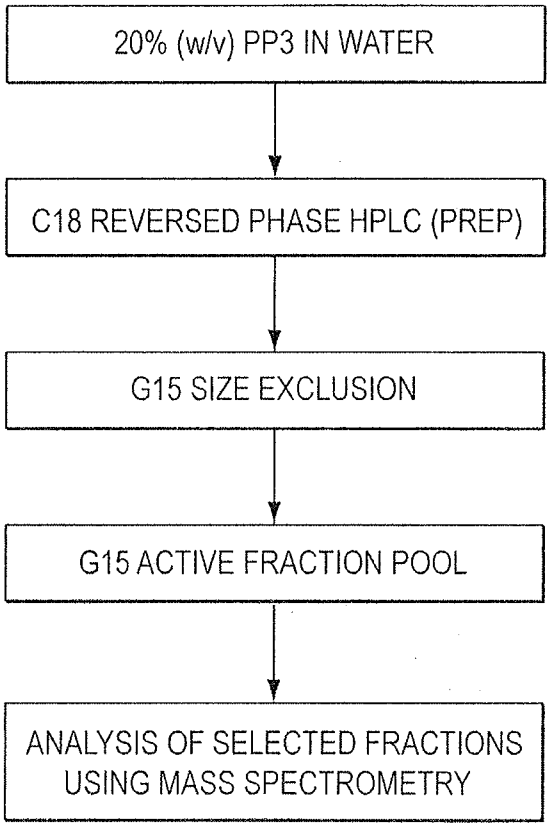

20% (w/v) PP3 IN WATER
C18 REVERSED PHASE HPLC (PREP)
G15 SIZE EXCLUSION
G15 ACTIVE FRACTION POOL
ANALYSIS OF SELECTED FRACTIONS USING MASS SPECTROMETRY

FIG. 1

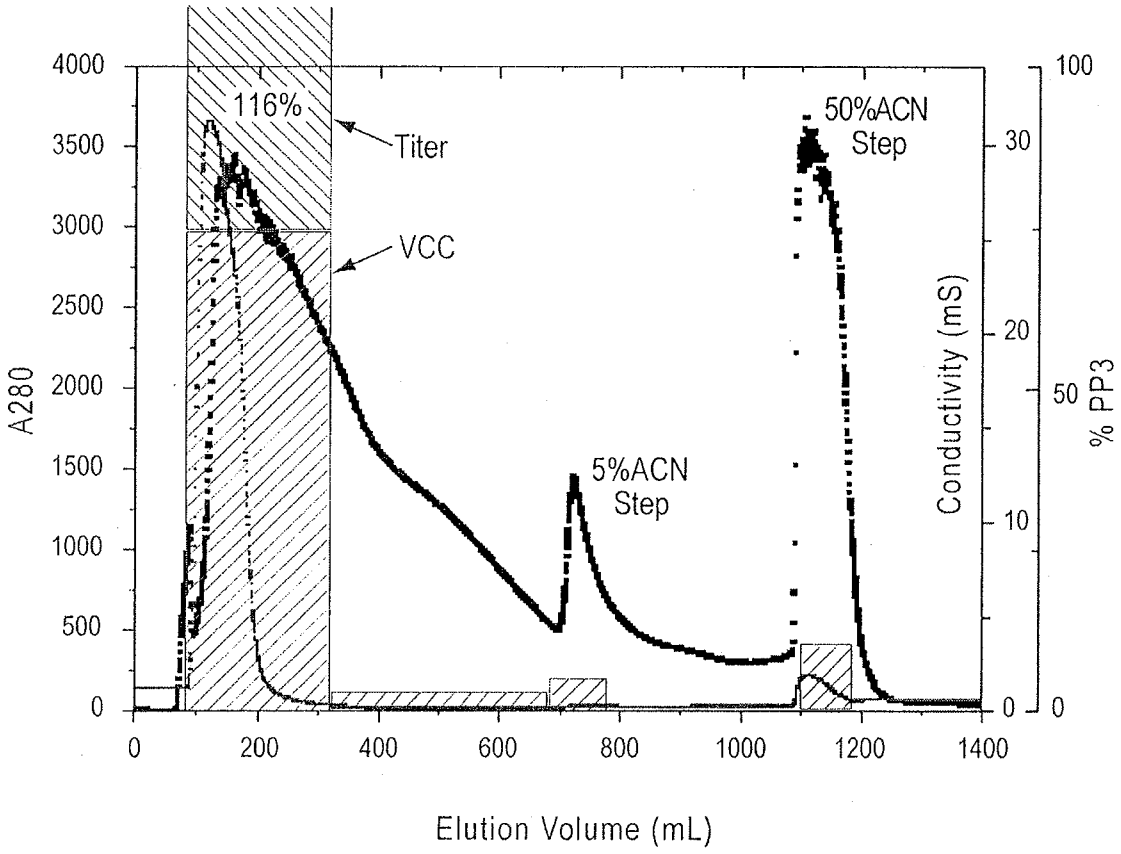

4000
3500
3000
2500
2000
1500
1000
500
0
A280
116%
Titer
VCC
5%ACN
Step
50%ACN
Step
100
30
20
10
0
50
% PP3
Conductivity (mS)
0
200
400
600
800
1000
1200
1400
Elution Volume (mL)

FIG. 2

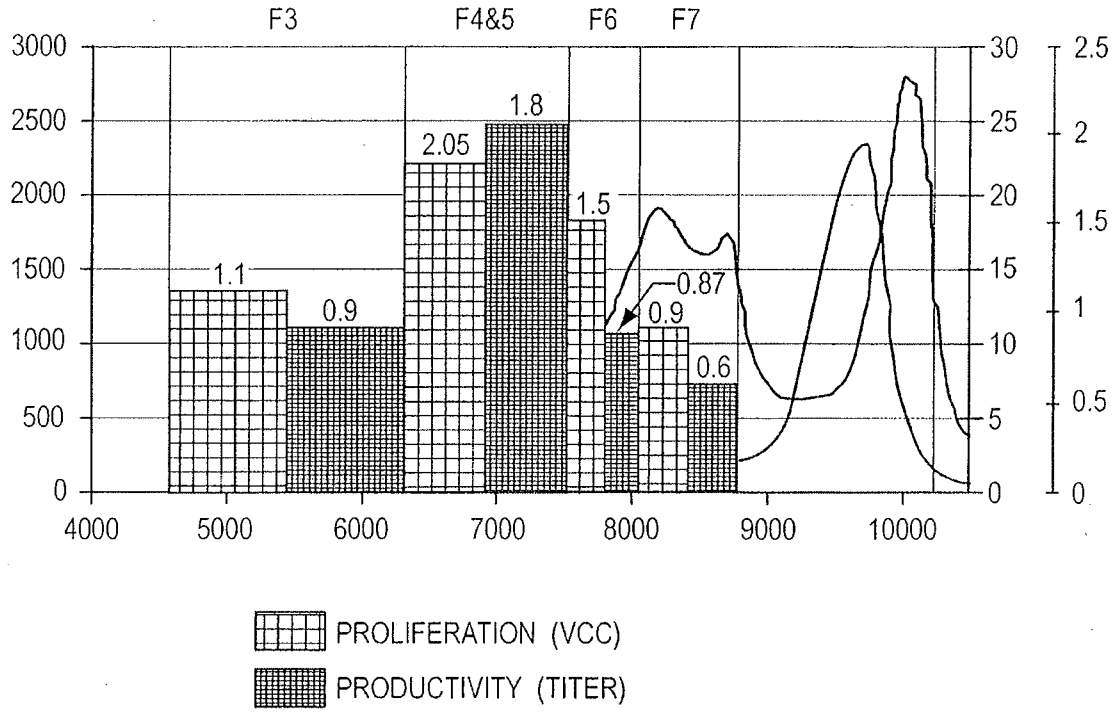

F3
F4&5
F6
F7
3000
2500
2000
1500
1000
500
0
30
25
20
15
10
5
0
2.5
2
1.5
1
0.5
0
1.1
0.9
2.05
1.8
1.5
0.87
0.9
0.6
4000
5000
6000
7000
8000
9000
10000
PROLIFERATION (VCC)
PRODUCTIVITY (TITER)

FIG. 3

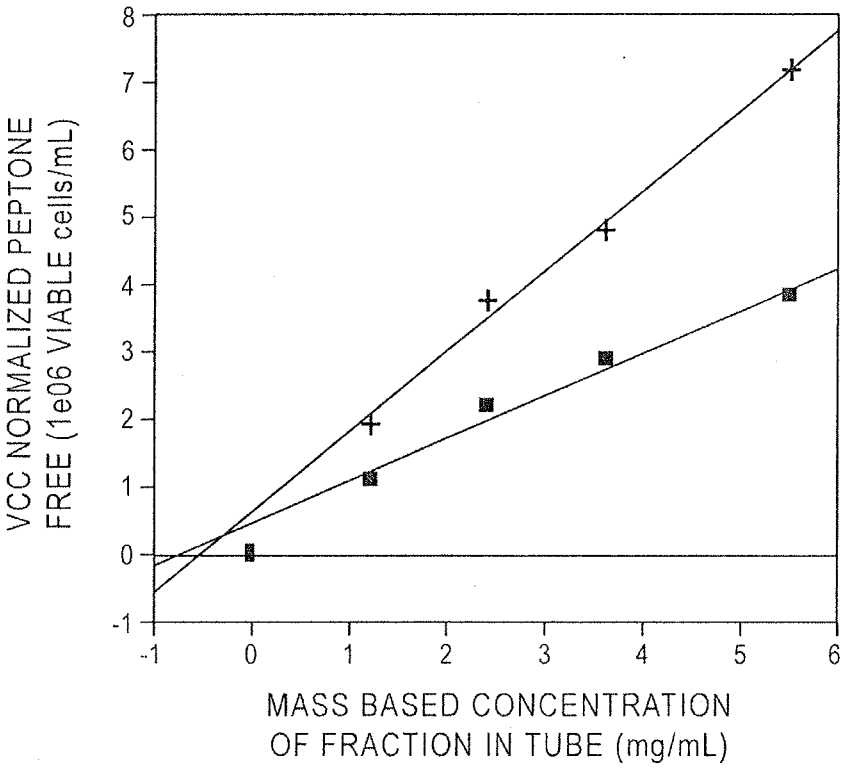

VCC NORMALIZED PEPTONE FREE (1e06 VIABLE cells/mL)
8
7
6
5
4
3
2
1
0
-1
-1
0
1
2
3
4
5
6
MASS BASED CONCENTRATION OF FRACTION IN TUBE (mg/mL)

FIG. 4A

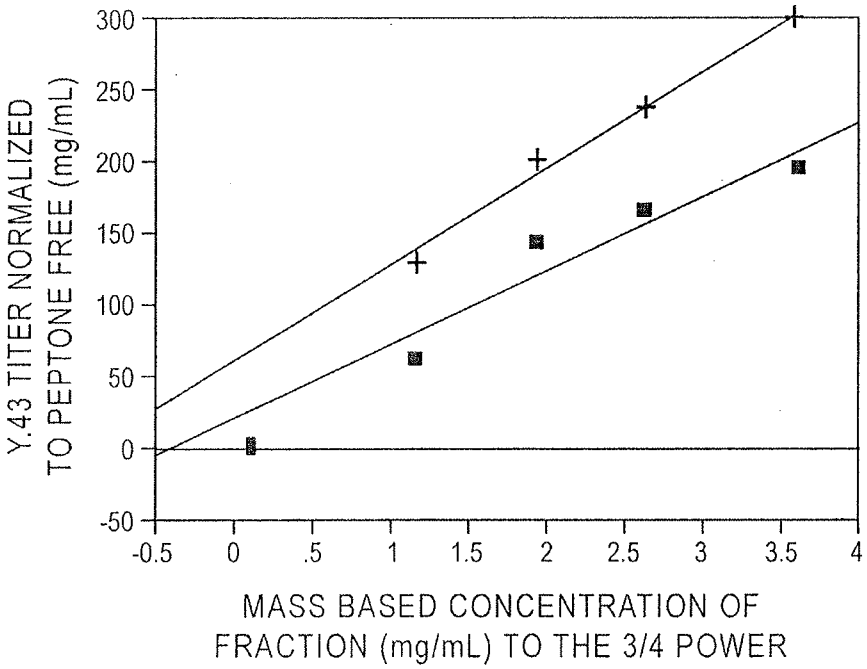

Y.43 TITER NORMALIZED
TO PEPTONE FREE (mg/mL)
300
250
200
150
100
50
0
-50
-0.5
0
.5
1
1.5
2
2.5
3
3.5
4
MASS BASED CONCENTRATION OF
FRACTION (mg/mL) TO THE 3/4 POWER

FIG. 4B

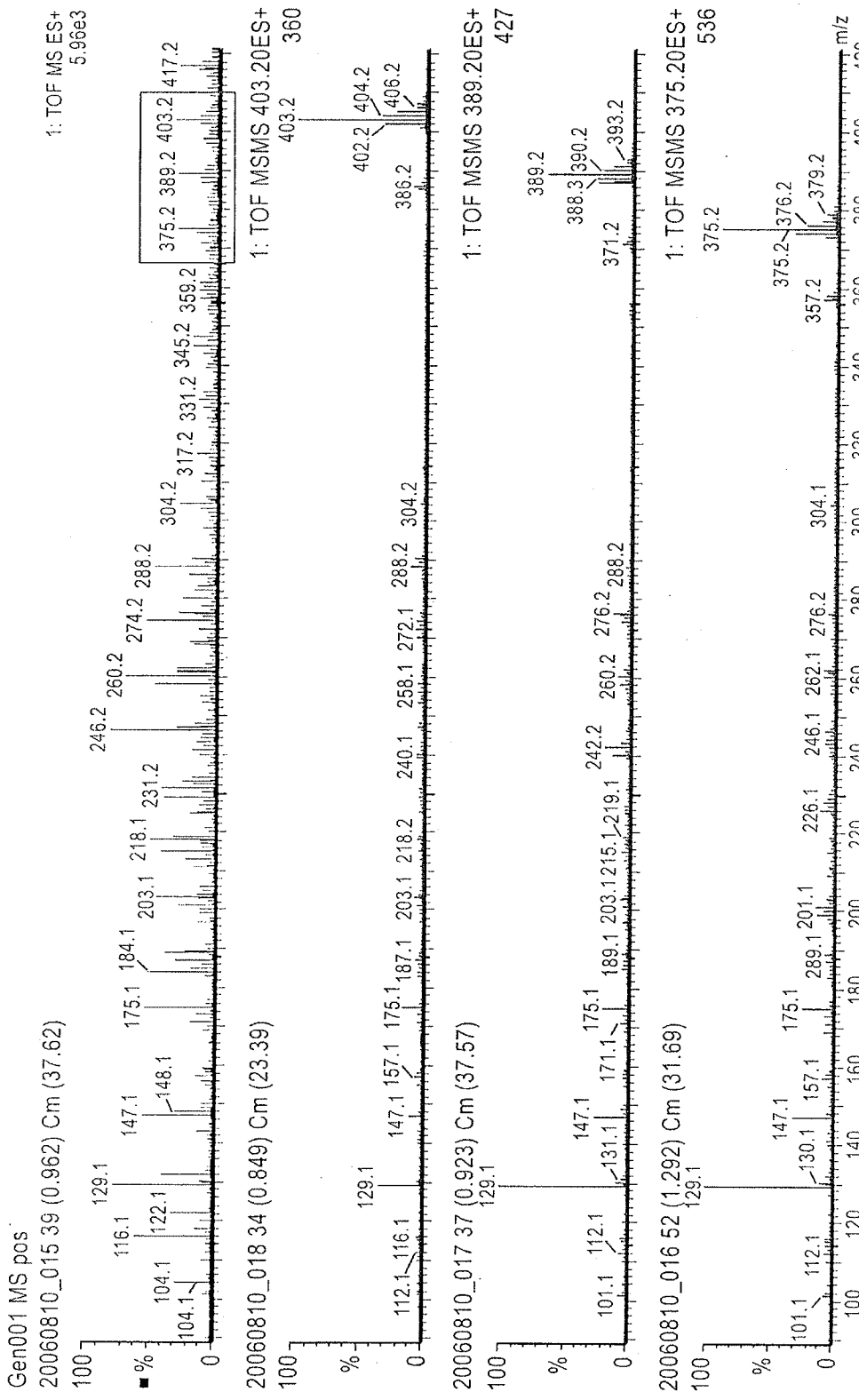

Gen001 MS pos
20060810_015 39 (0.962) Cm (37.62)
1: TOF MS ES+
5.96e3
20060810_018 34 (0.849) Cm (23.39)
1: TOF MSMS 403.20ES+
360
20060810_017 37 (0.923) Cm (37.57)
1: TOF MSMS 389.20ES+
427
20060810_016 52 (1.292) Cm (31.69)
1: TOF MSMS 375.20ES+
536
%
m/z

FIG. 5

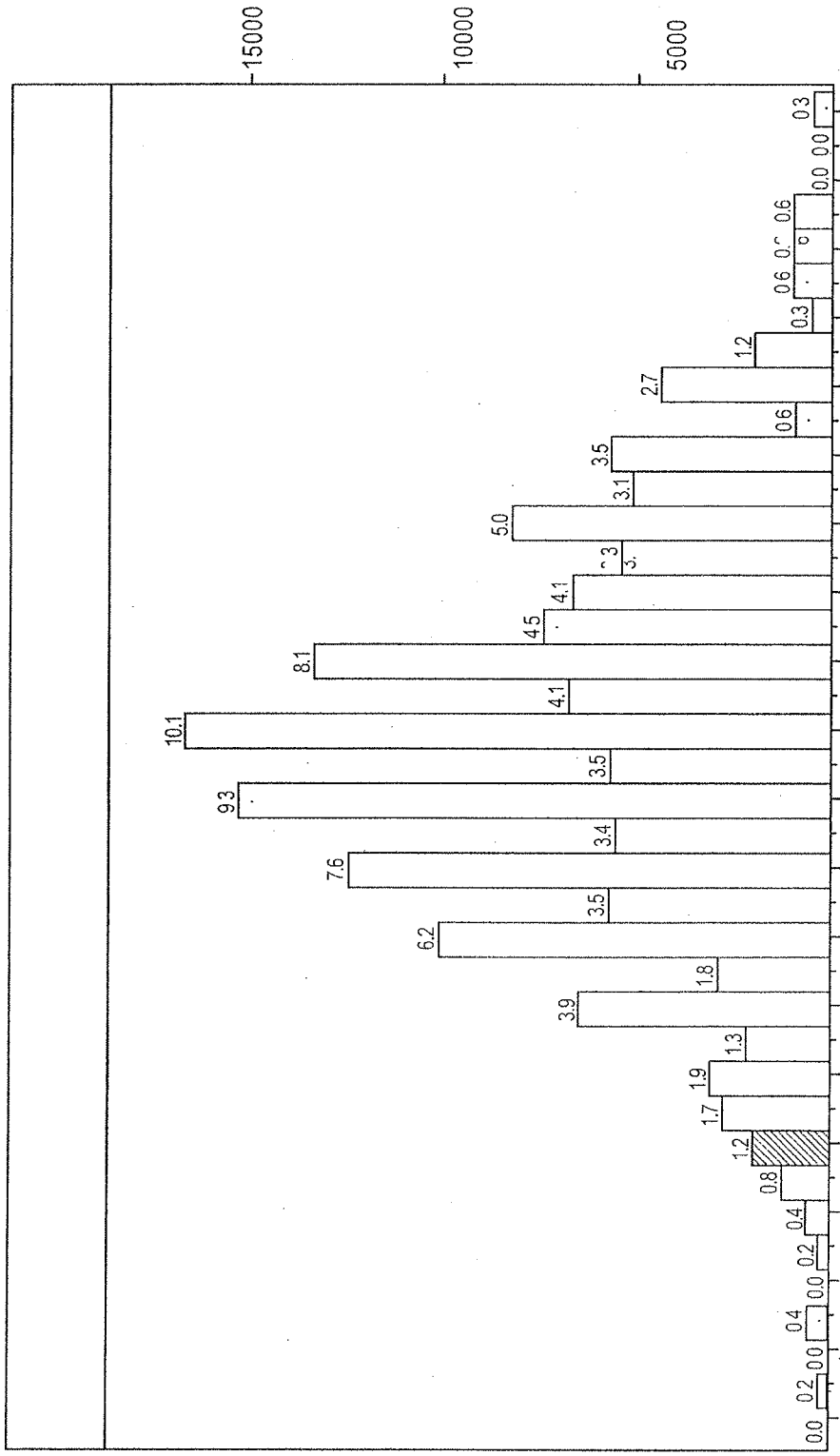

15000
10000
5000
280
294
308
322
336
350
364
378
392
406
420
434
448
462
476
490
504
518
532
546

FIG. 6

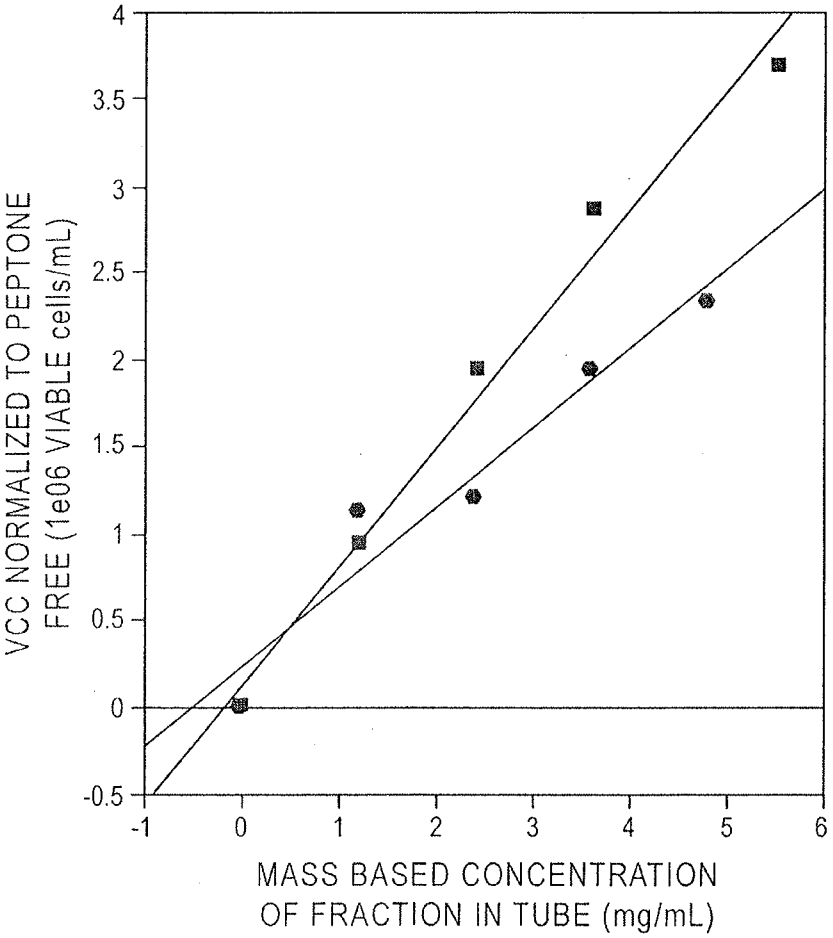

VCC NORMALIZED TO PEPTONE FREE (1e06 VIABLE cells/mL)
MASS BASED CONCENTRATION OF FRACTION IN TUBE (mg/mL)
4
3.5
3
2.5
2
1.5
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6

FIG. 7A

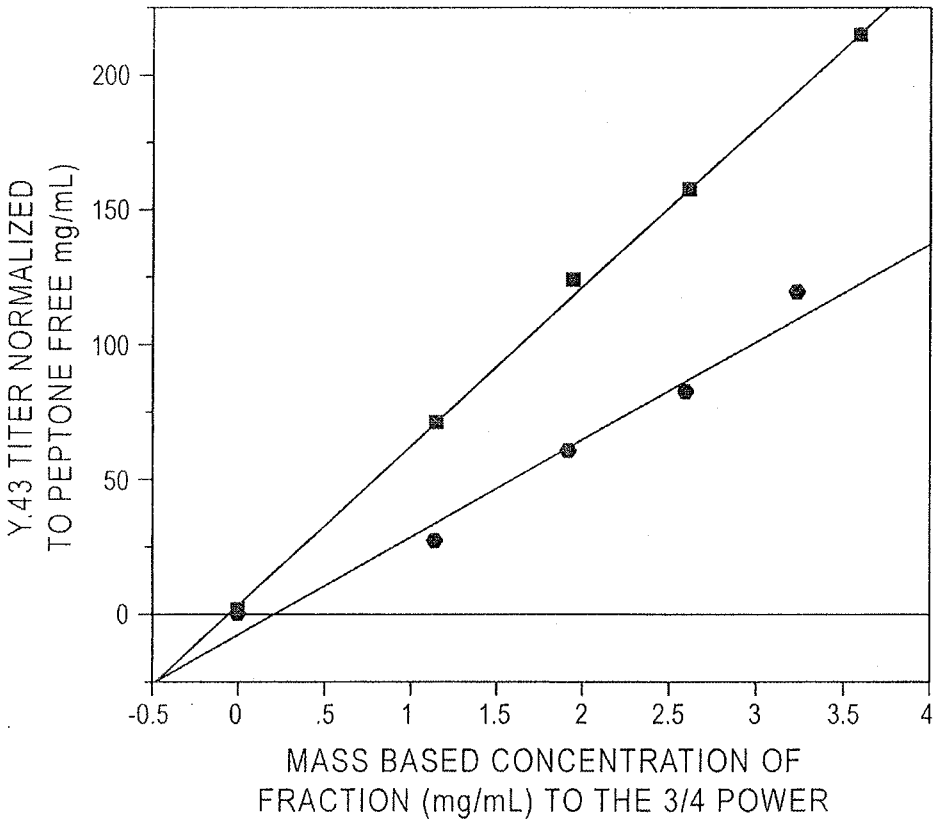


FIG. 7B

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

FIG. 8