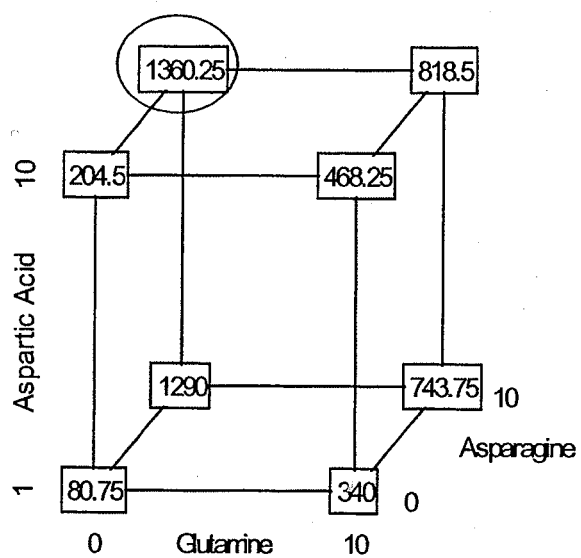


Glutamic Acid=1



Glutamic Acid=10

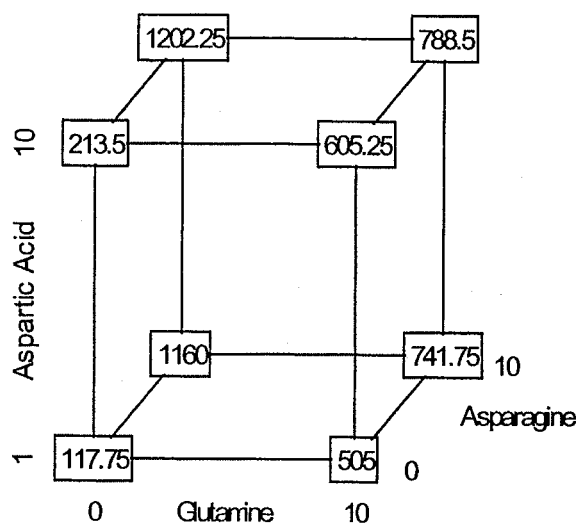
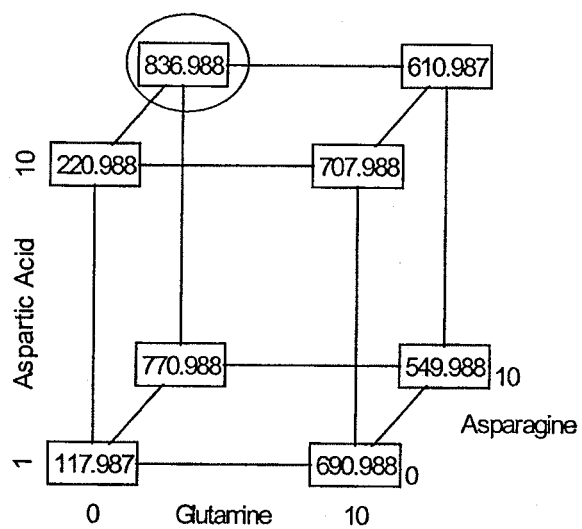


Figure 1.

Glutamic Acid=1



Glutamic Acid=10

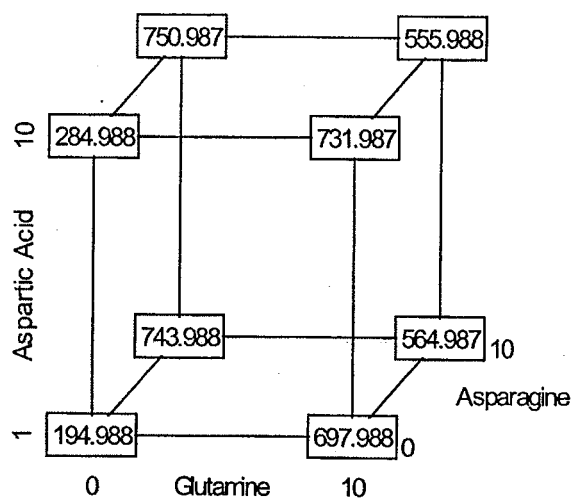
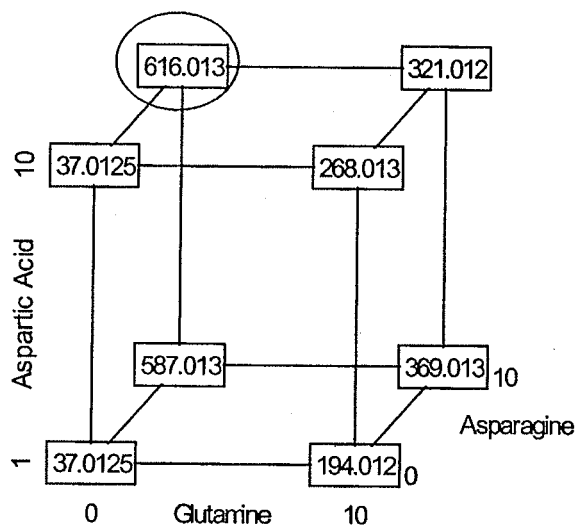


Figure 2.

Glutamic Acid=1



Glutamic Acid=10

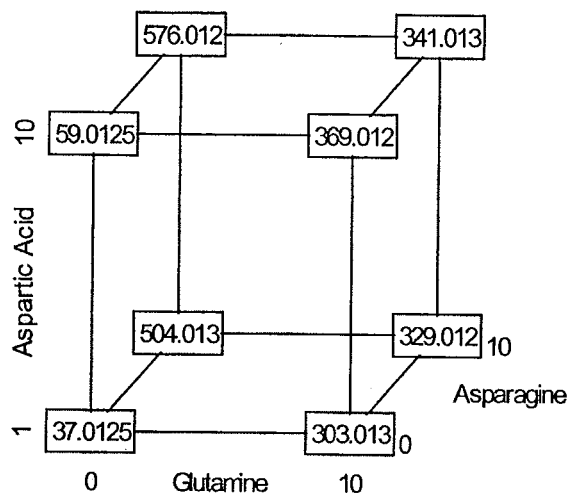


Figure 3.

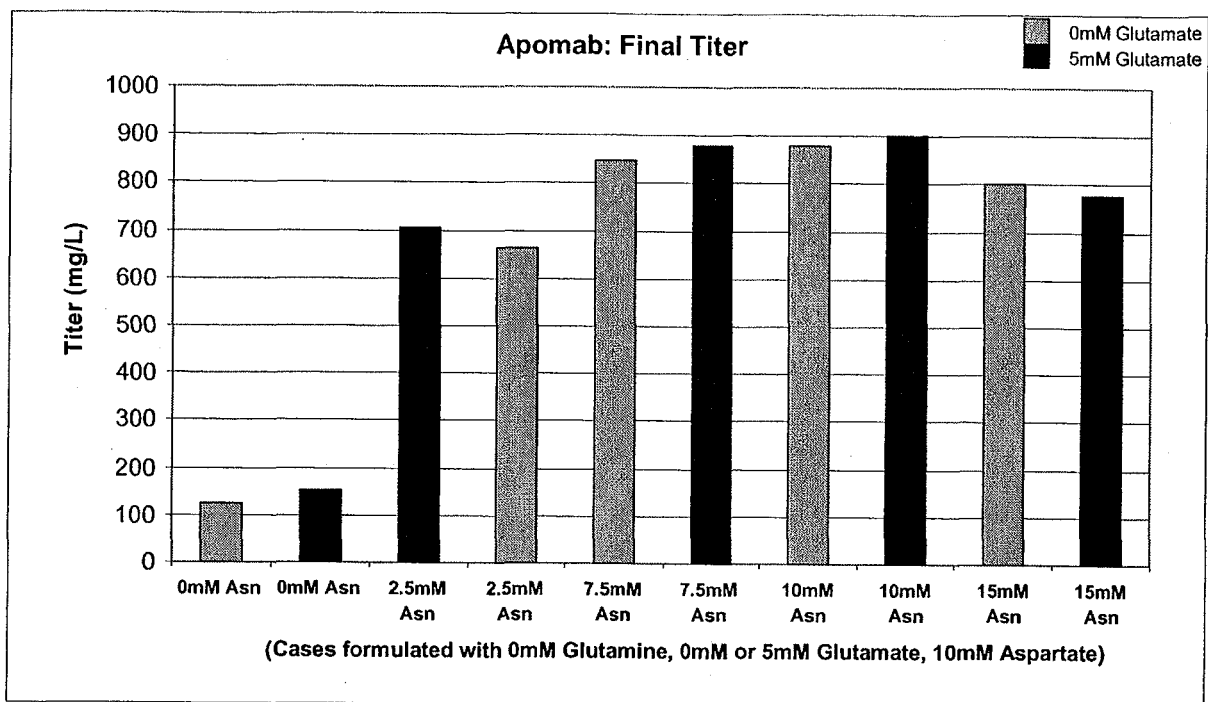
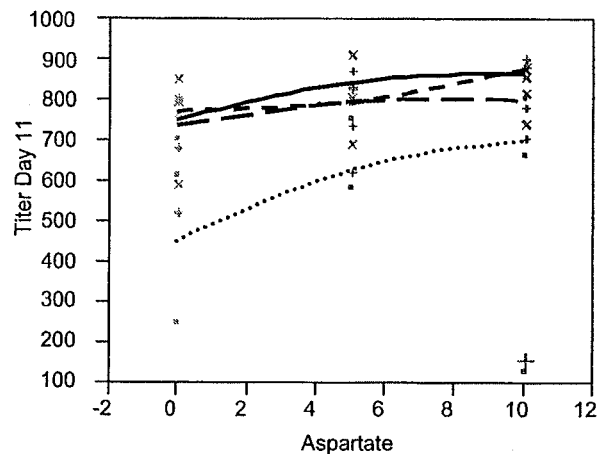


Figure 4.

Bivariate Fit of Titer Day 11 By Aspartate Glutamine=0



..... Smoothing Spline Fit, lambda=1 Asparagine==2.5
 — Smoothing Spline Fit, lambda=1 Asparagine==7.5
 - - Smoothing Spline Fit, lambda=1 Asparagine==10
 - . Smoothing Spline Fit, lambda=1 Asparagine==15

Smoothing Spline Fit, lambda=1 Asparagine==2.5

R-Square 0.573894
 Sum of Squares Error 73461.63

Smoothing Spline Fit, lambda=1 Asparagine==7.5

R-Square 0.65596
 Sum of Squares Error 11556.31

Smoothing Spline Fit, lambda=1 Asparagine==10

R-Square 0.408718
 Sum of Squares Error 25684.65

Smoothing Spline Fit, lambda=1 Asparagine==15

R-Square 0.220438
 Sum of Squares Error 26400.64

Figure 5.

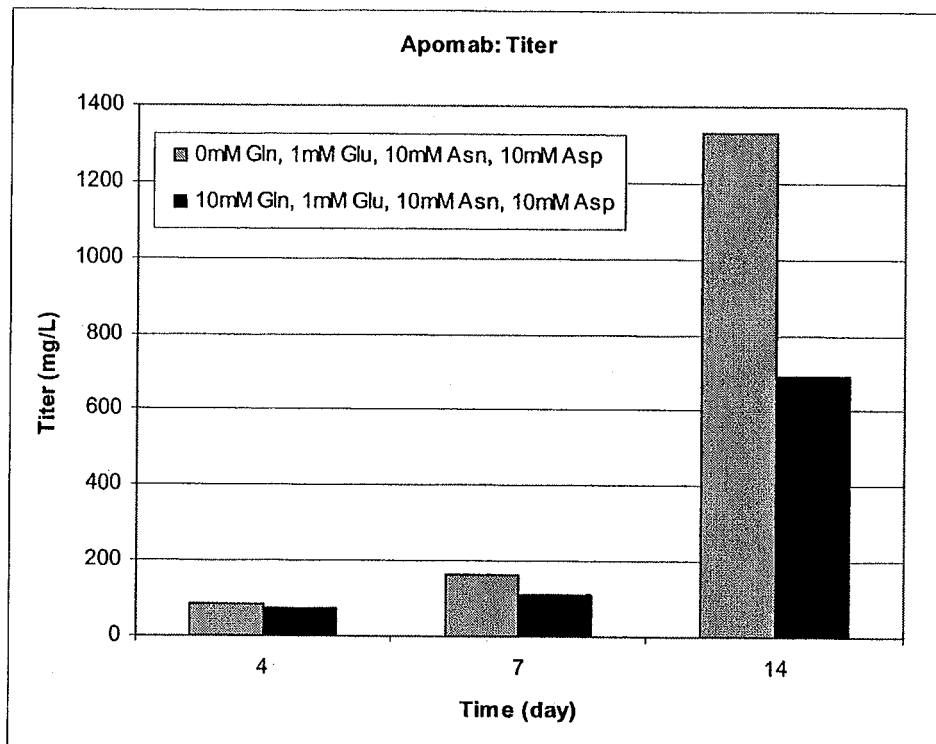


Figure 6A

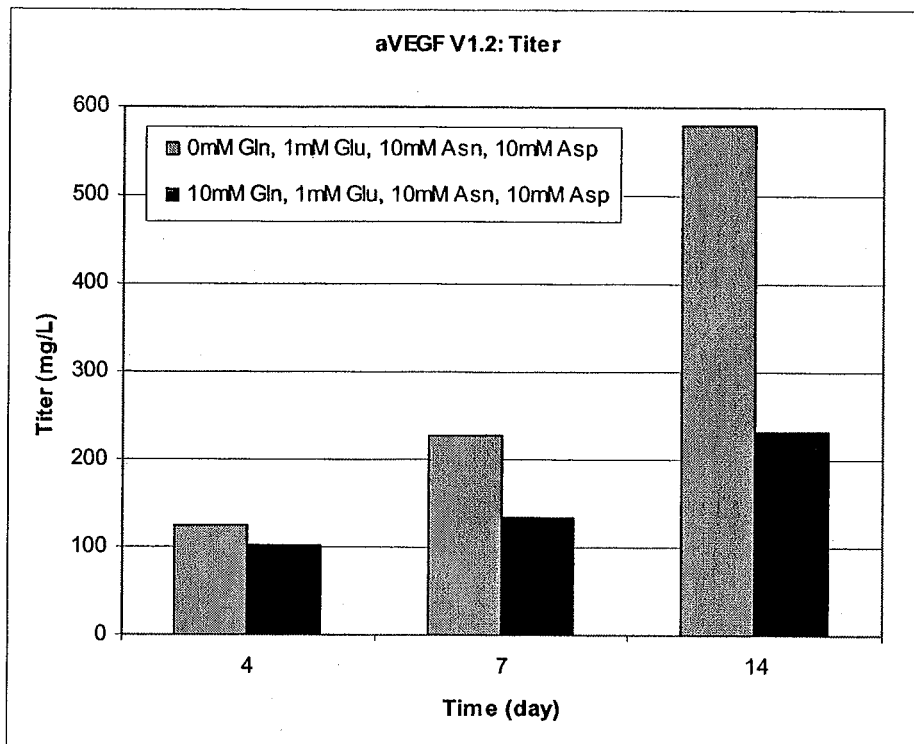


Figure 6B

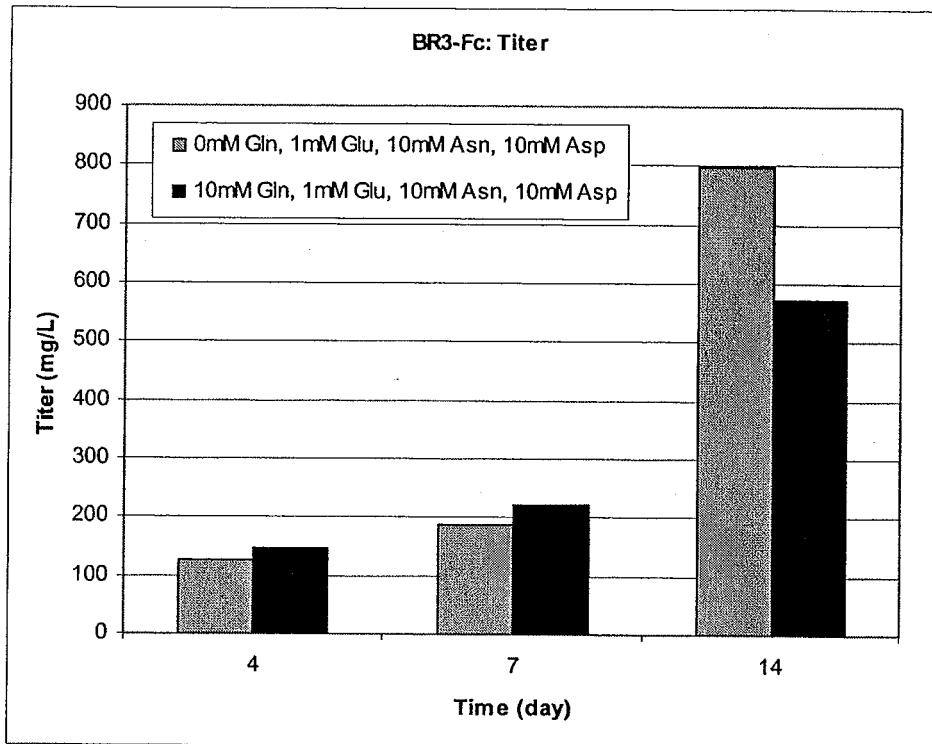


Figure 6C

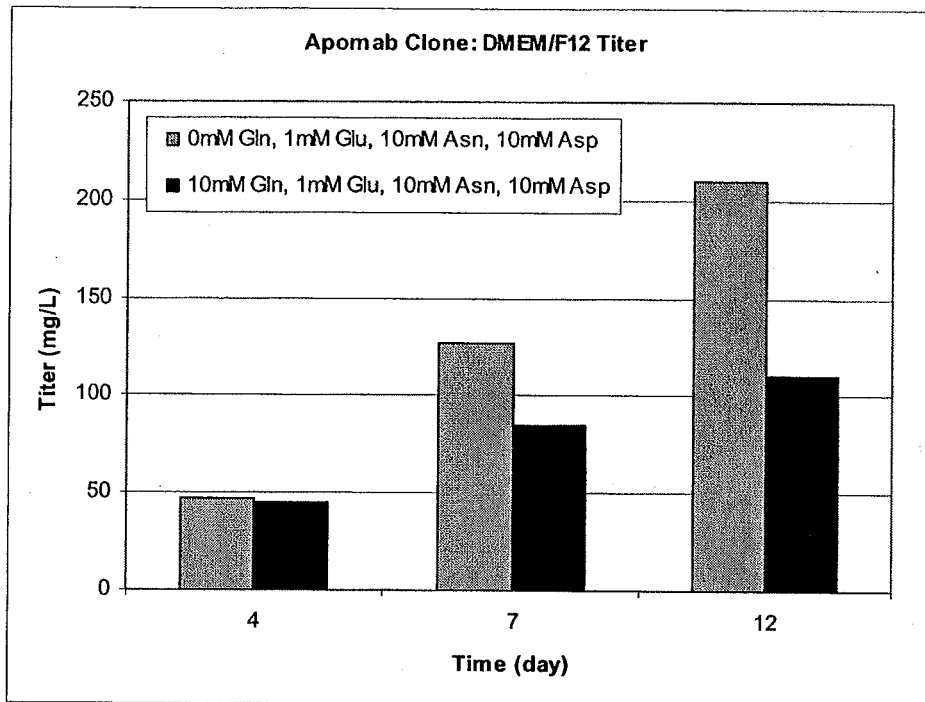


Figure 7A

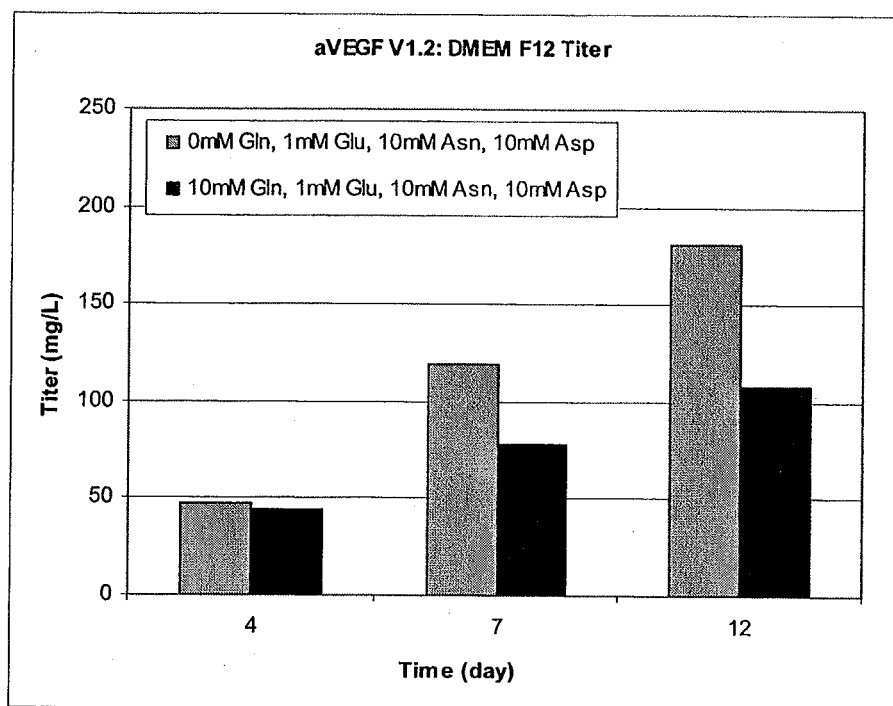


Figure 7B

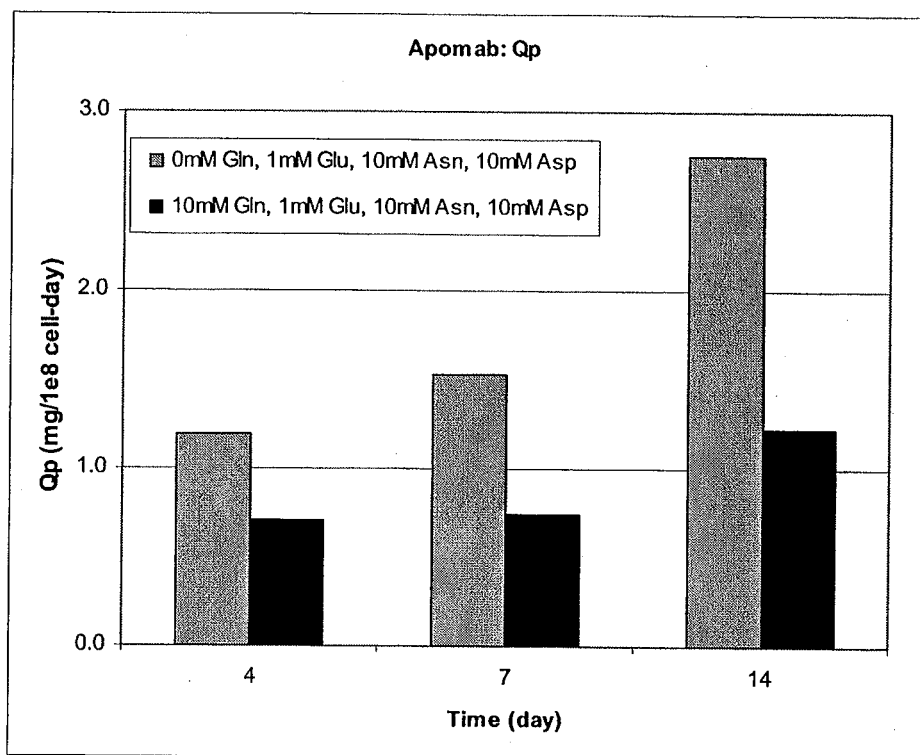


Figure 8A

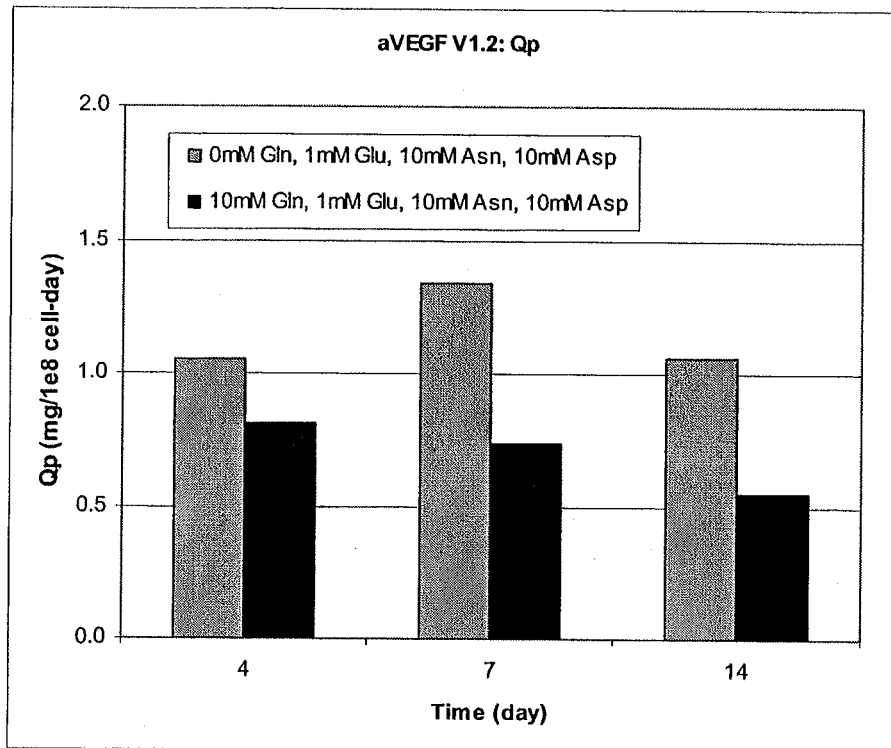


Figure 8B

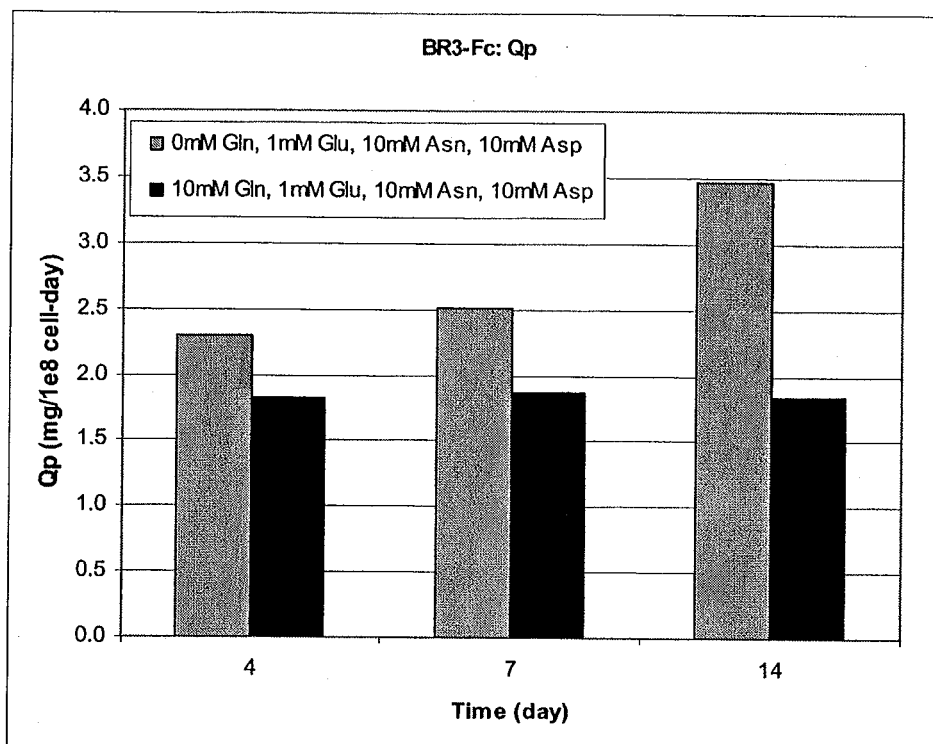


Figure 8C

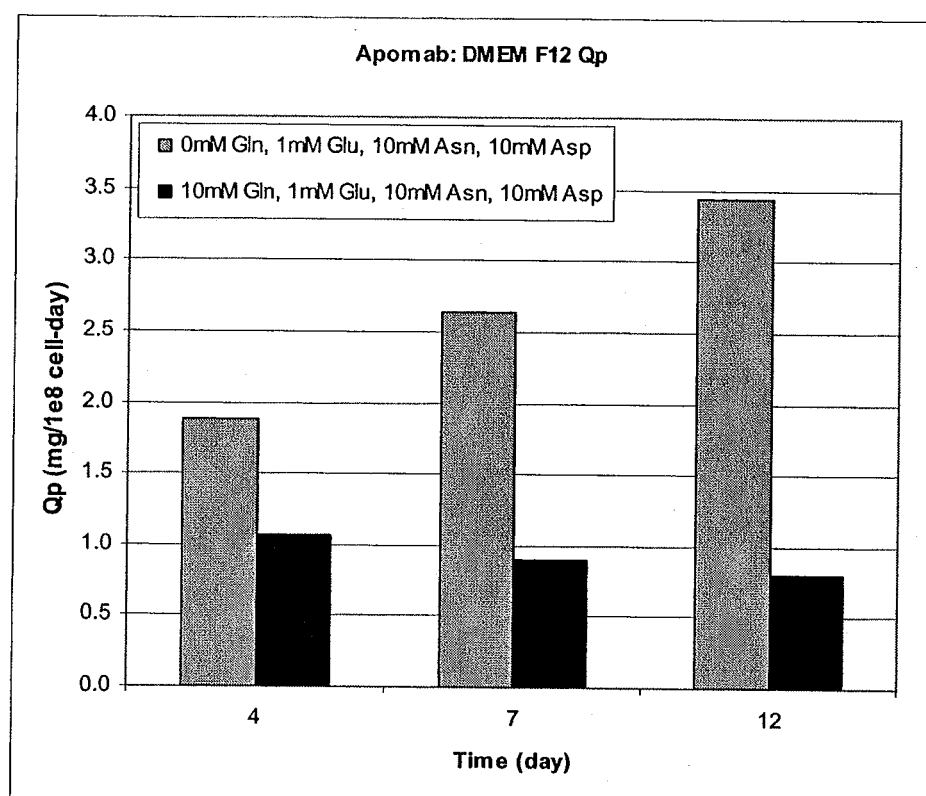


Figure 9A

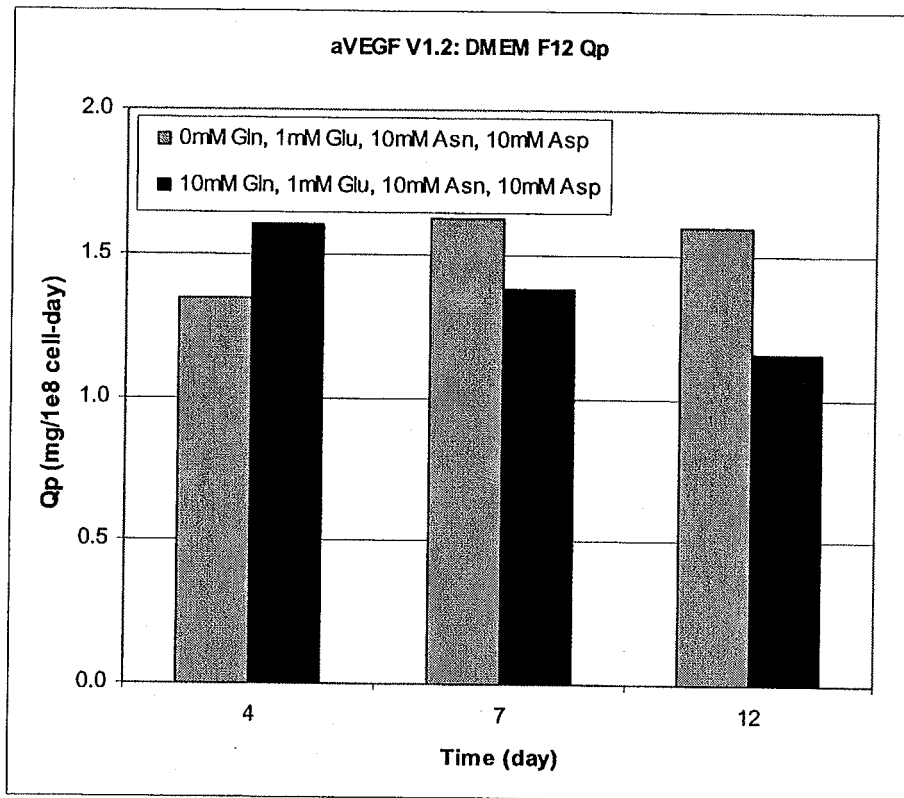


Figure 9B

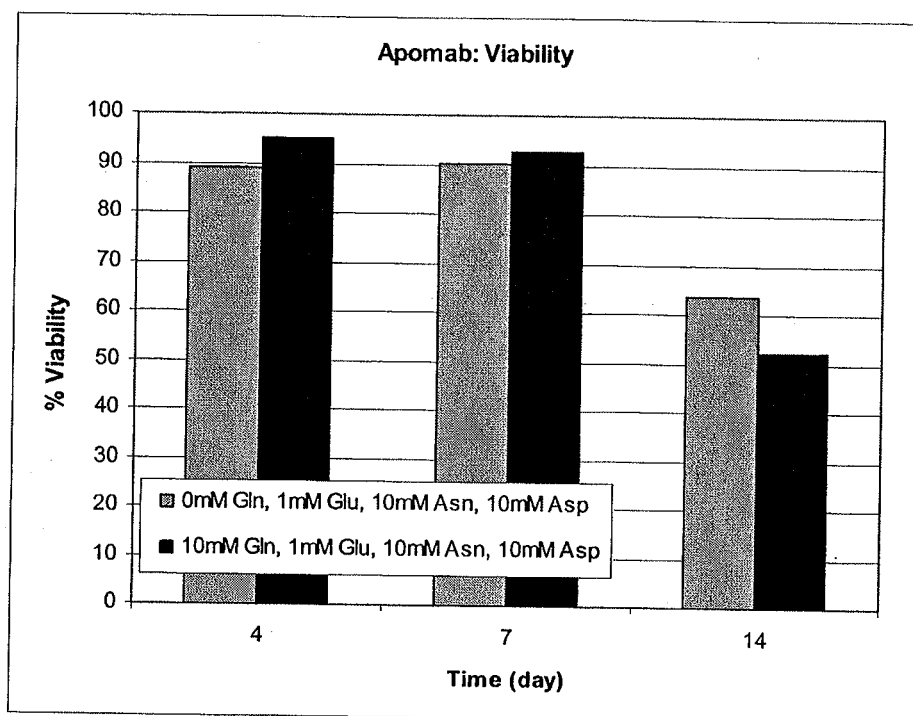


Figure 10A

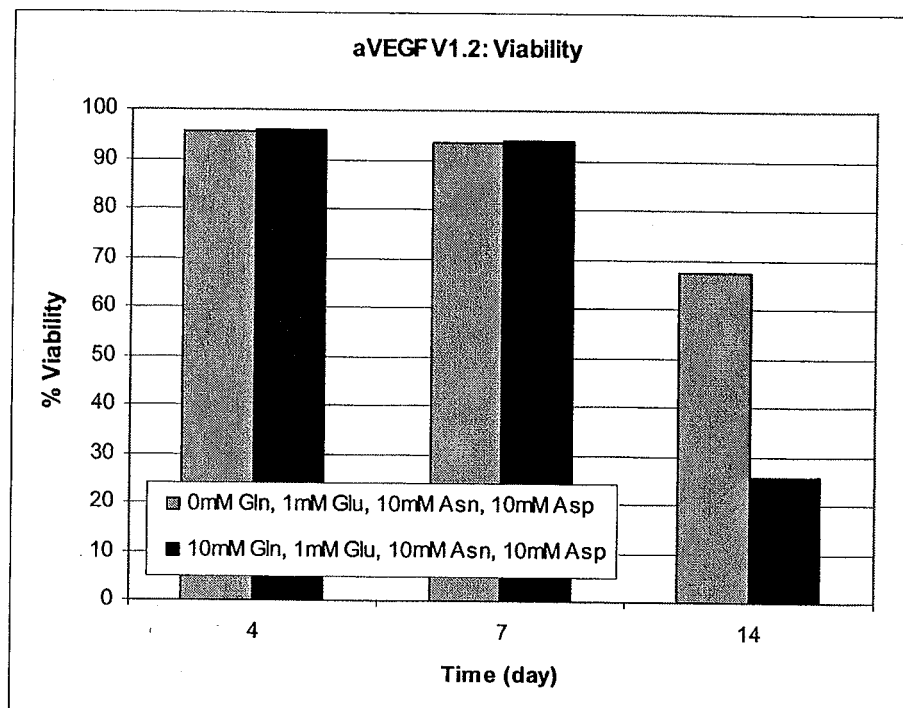


Figure 10B

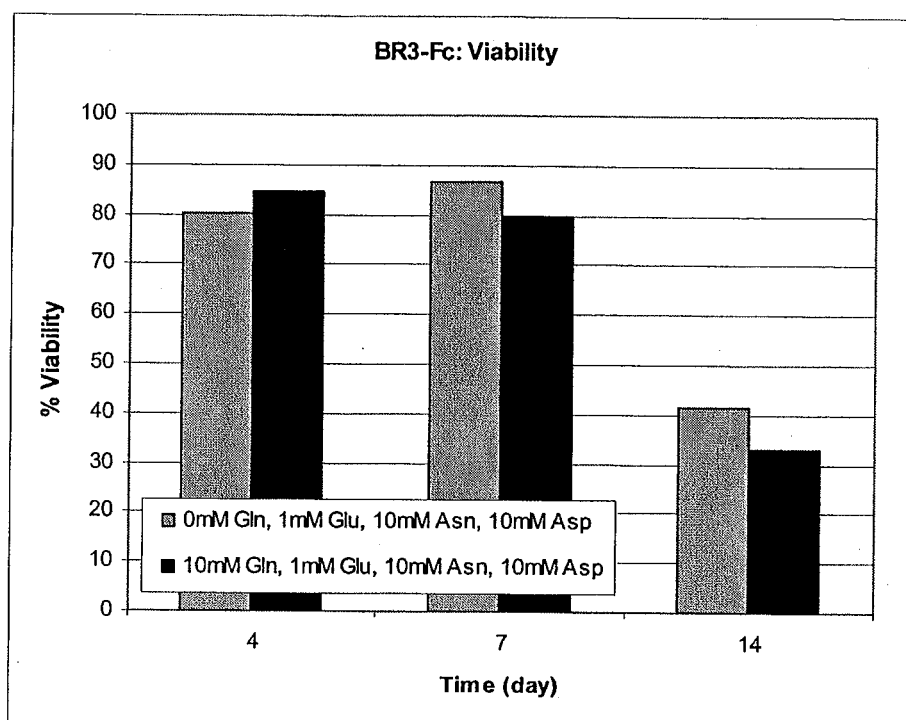


Figure 10C

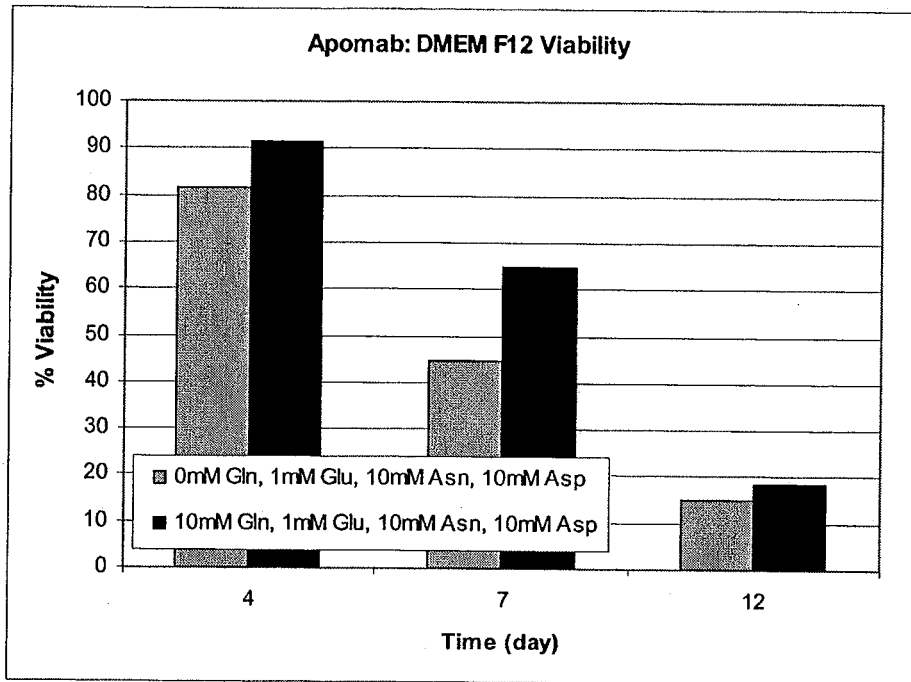


Figure 11A

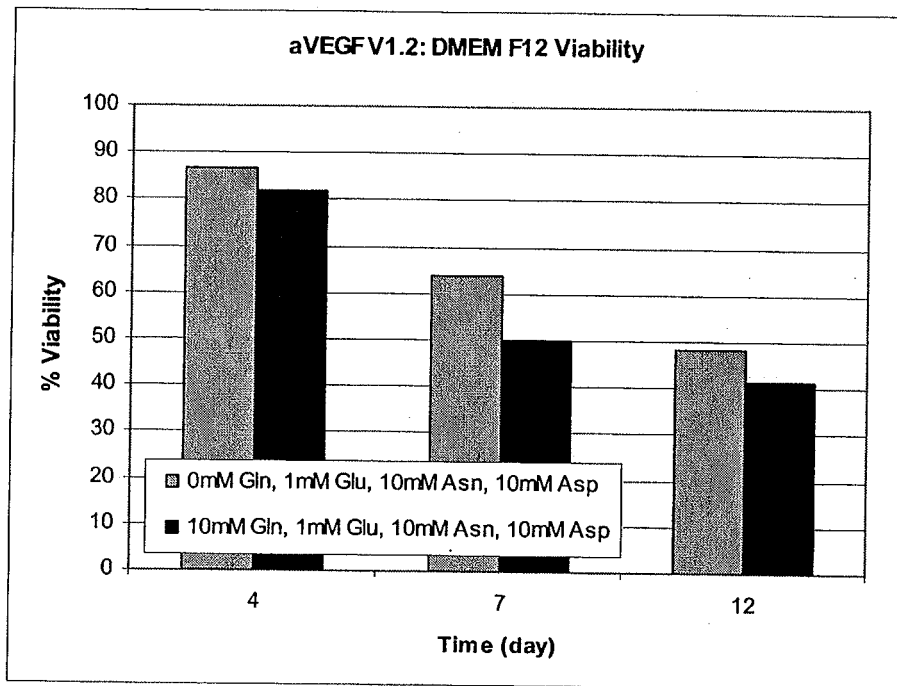


Figure 11B

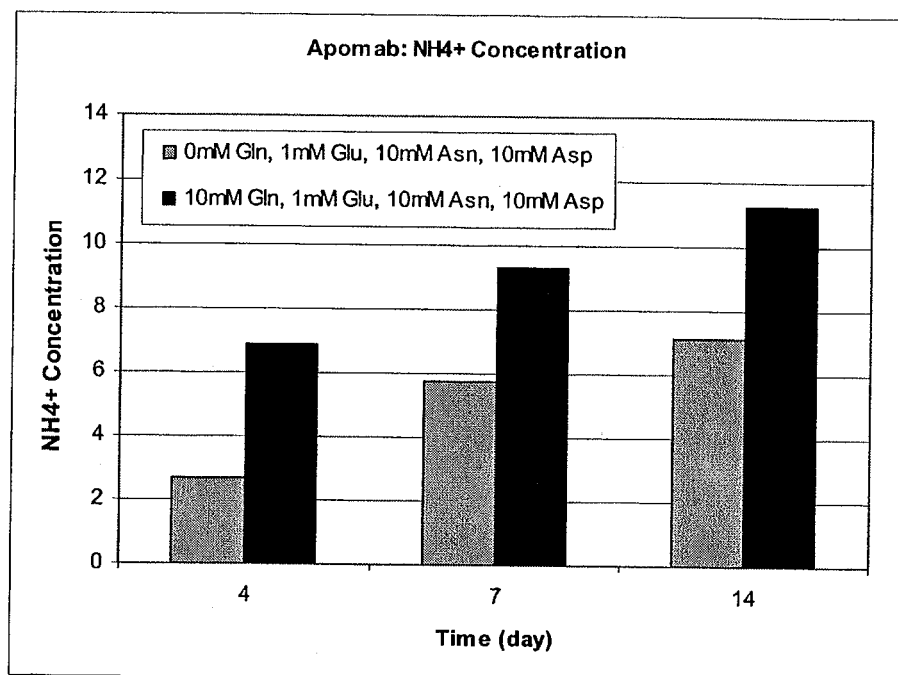


Figure 12A

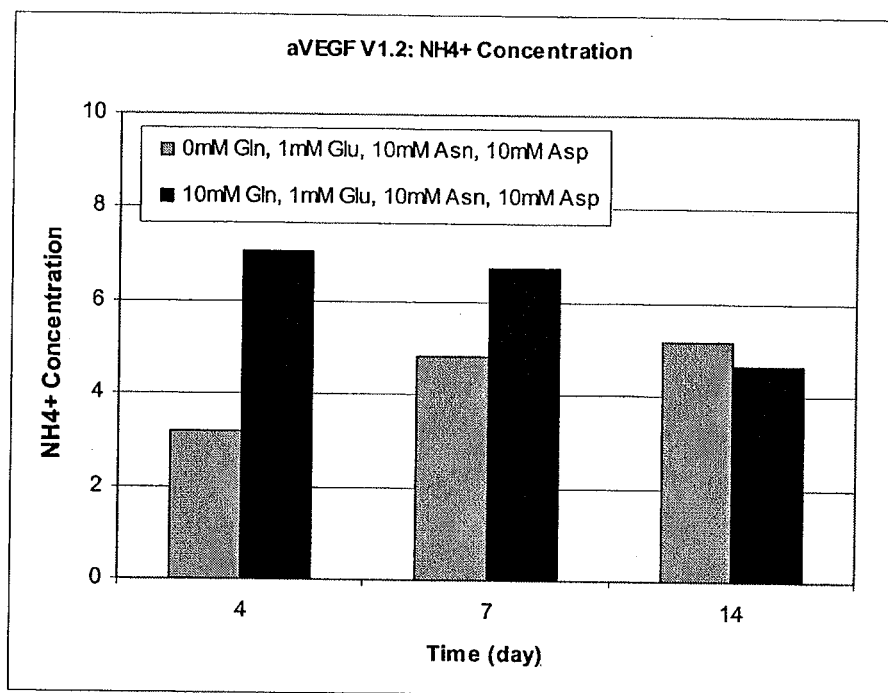


Figure 12B

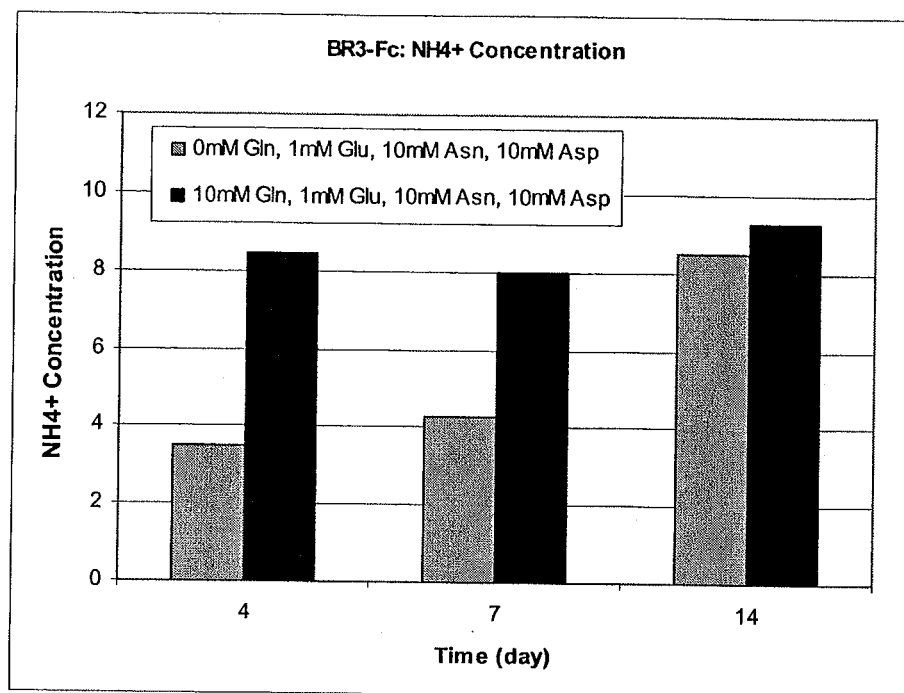


Figure 12C

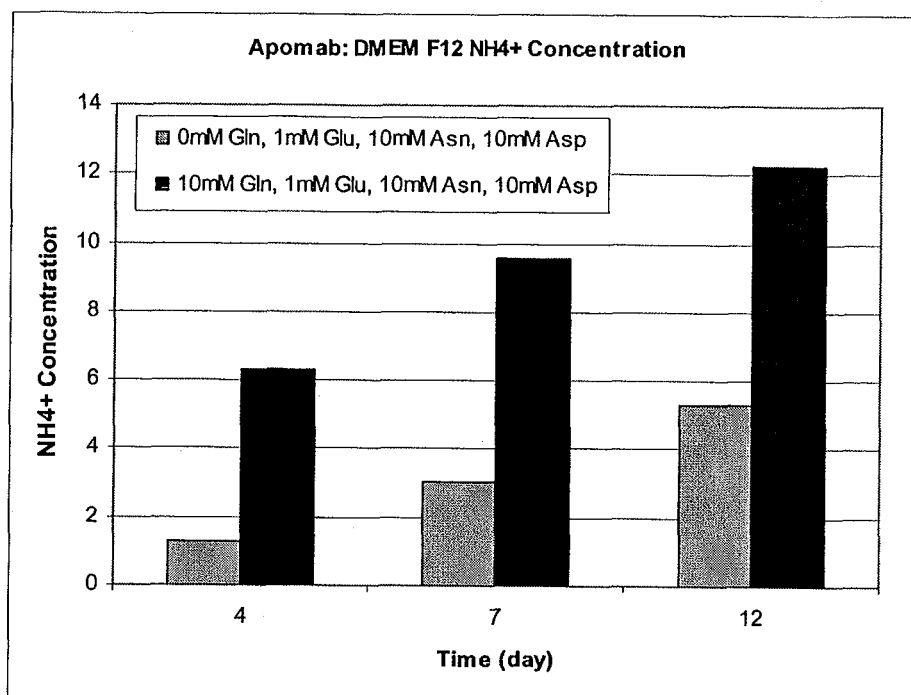


Figure 13A

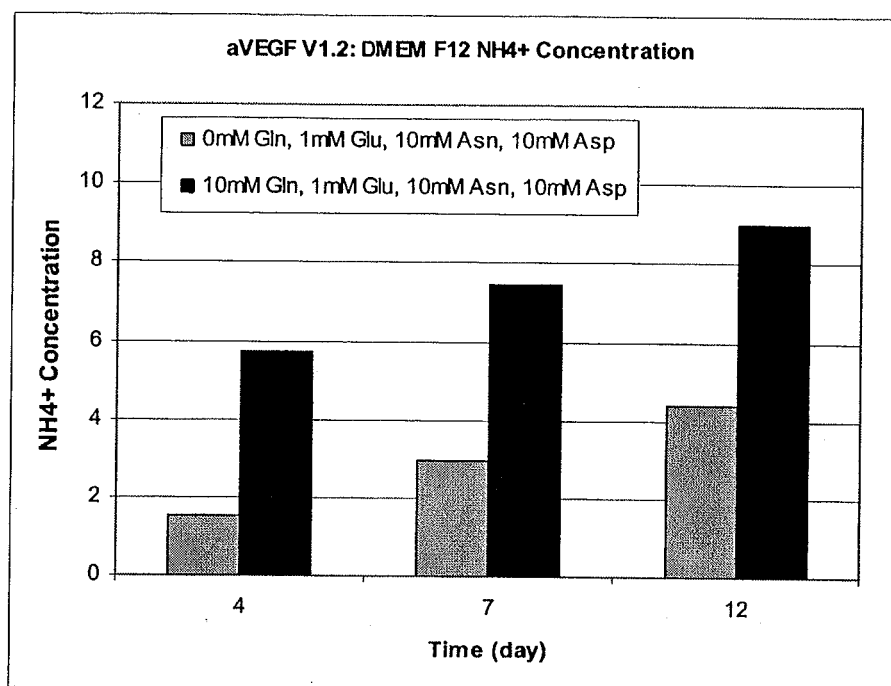


Figure 13B