

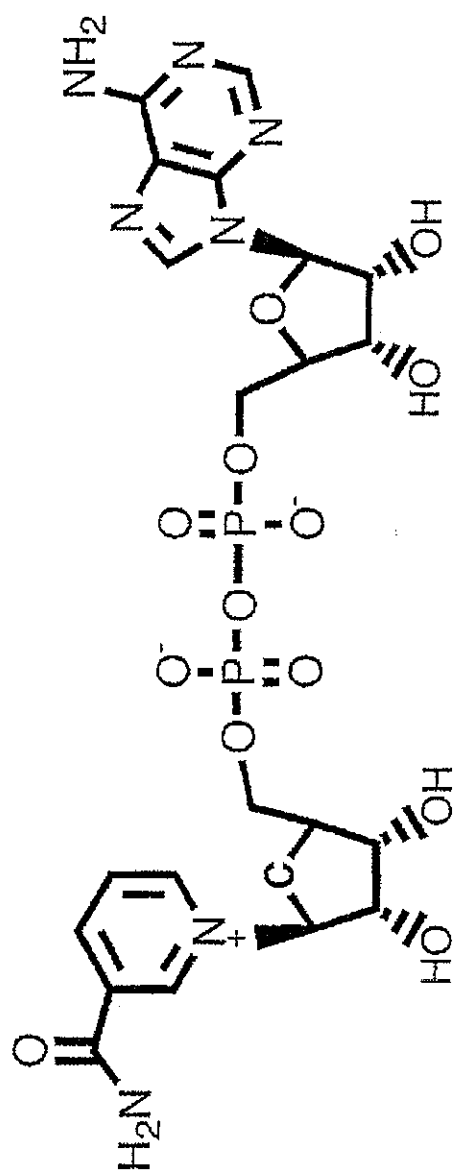


Figure 1A

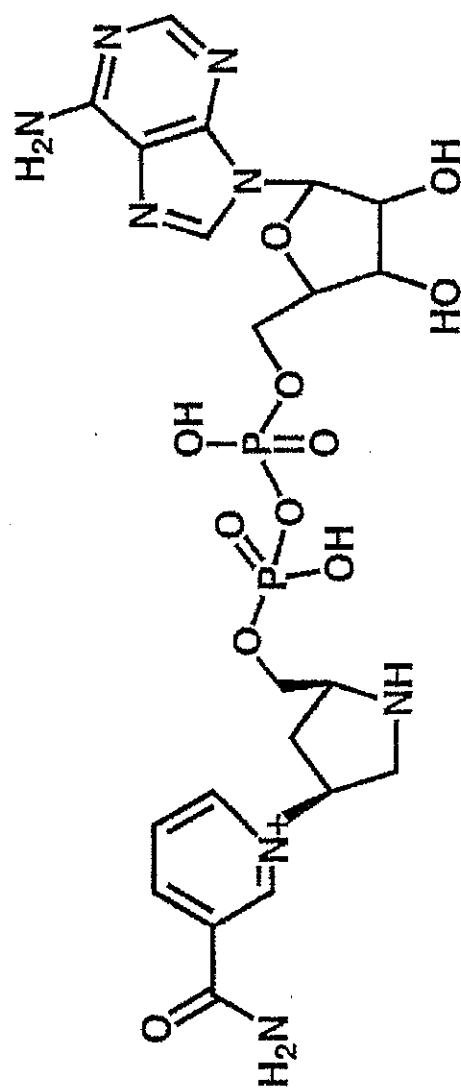
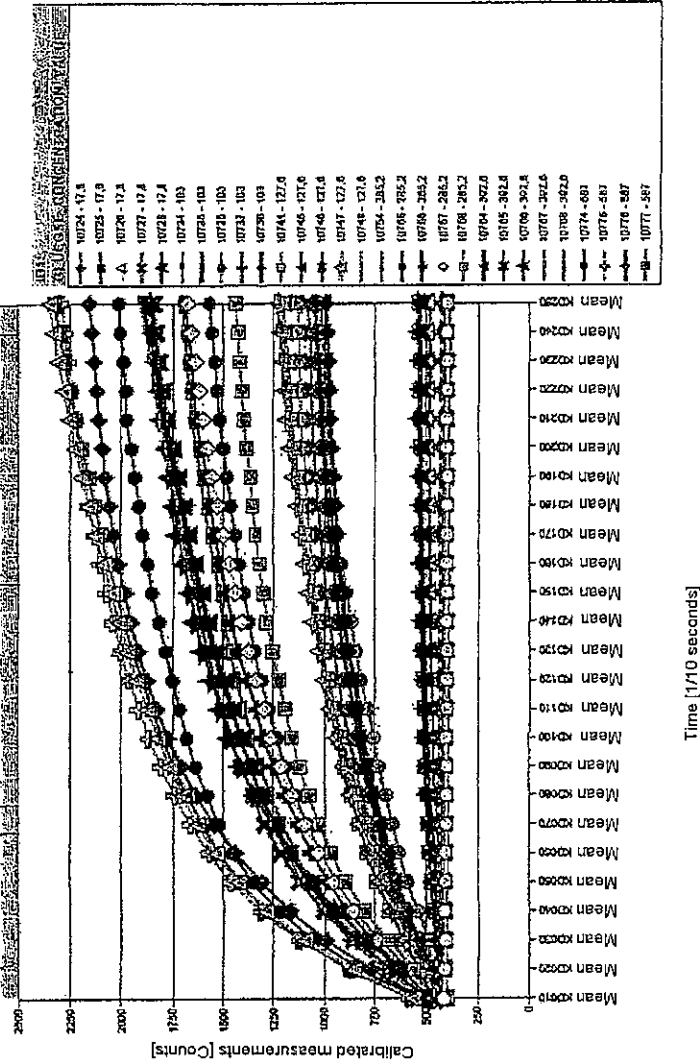


Figure 1B

Figure 2A





**Figure 2C**

Figure 2D

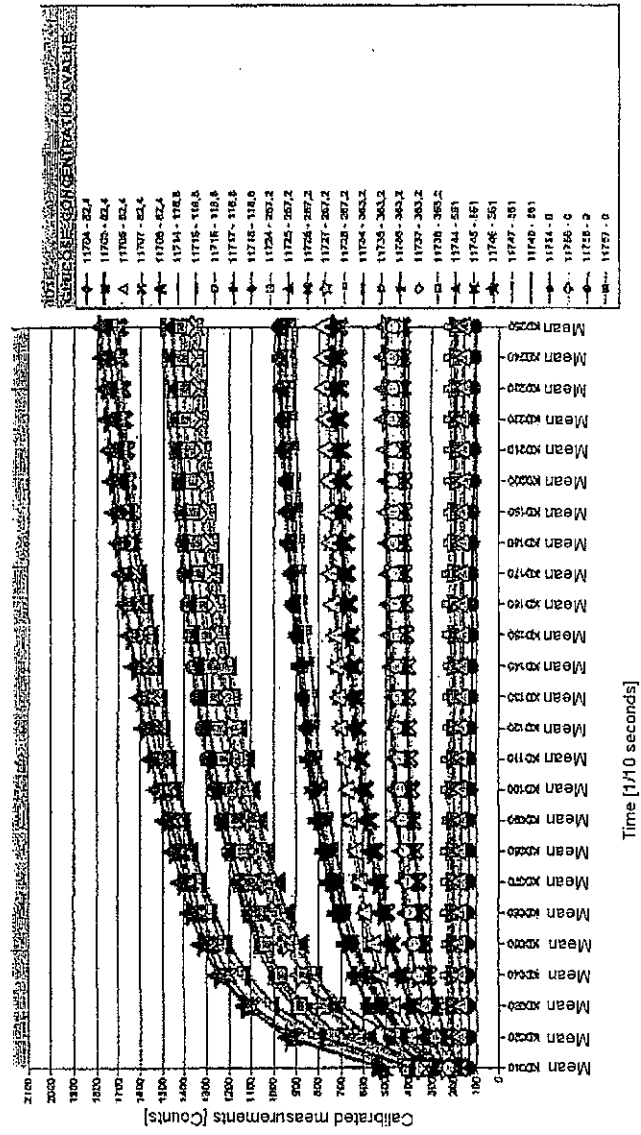


Figure 3

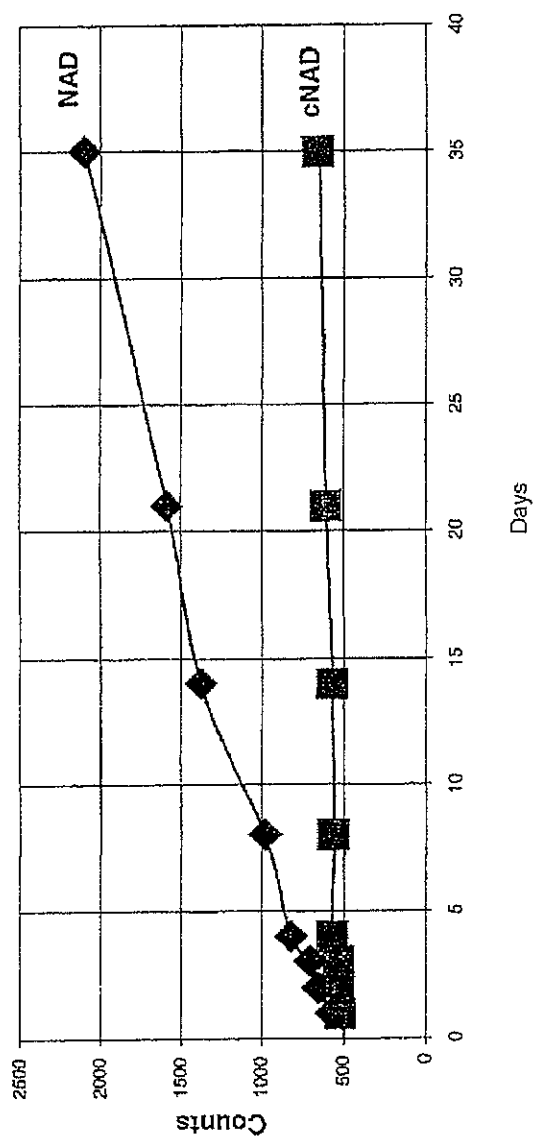
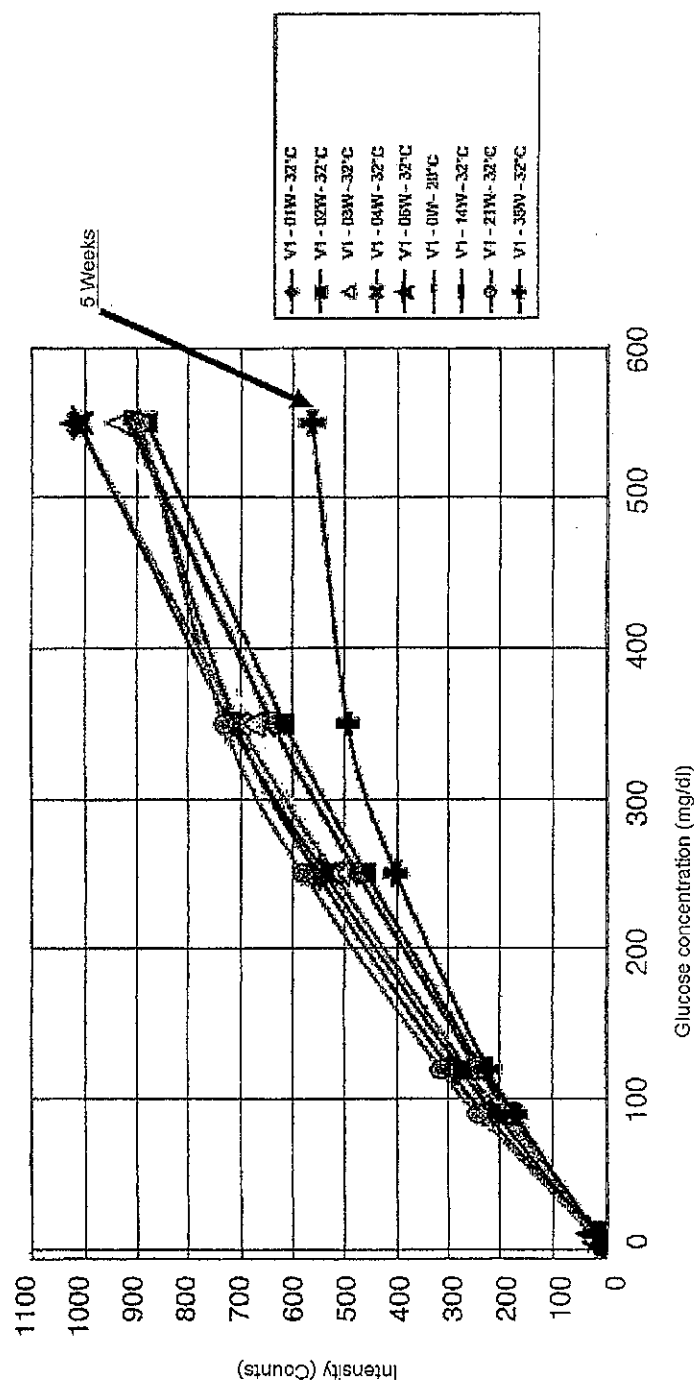


Figure 4



**Figure 5A**

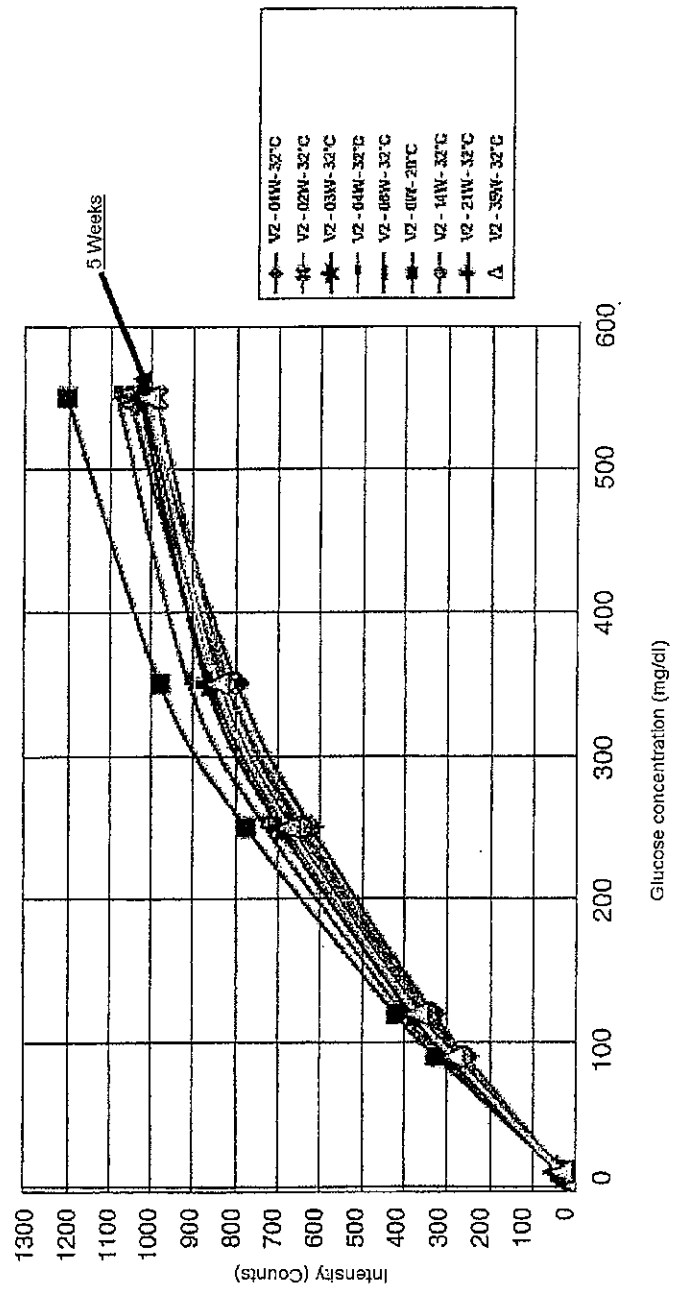


Figure 5B

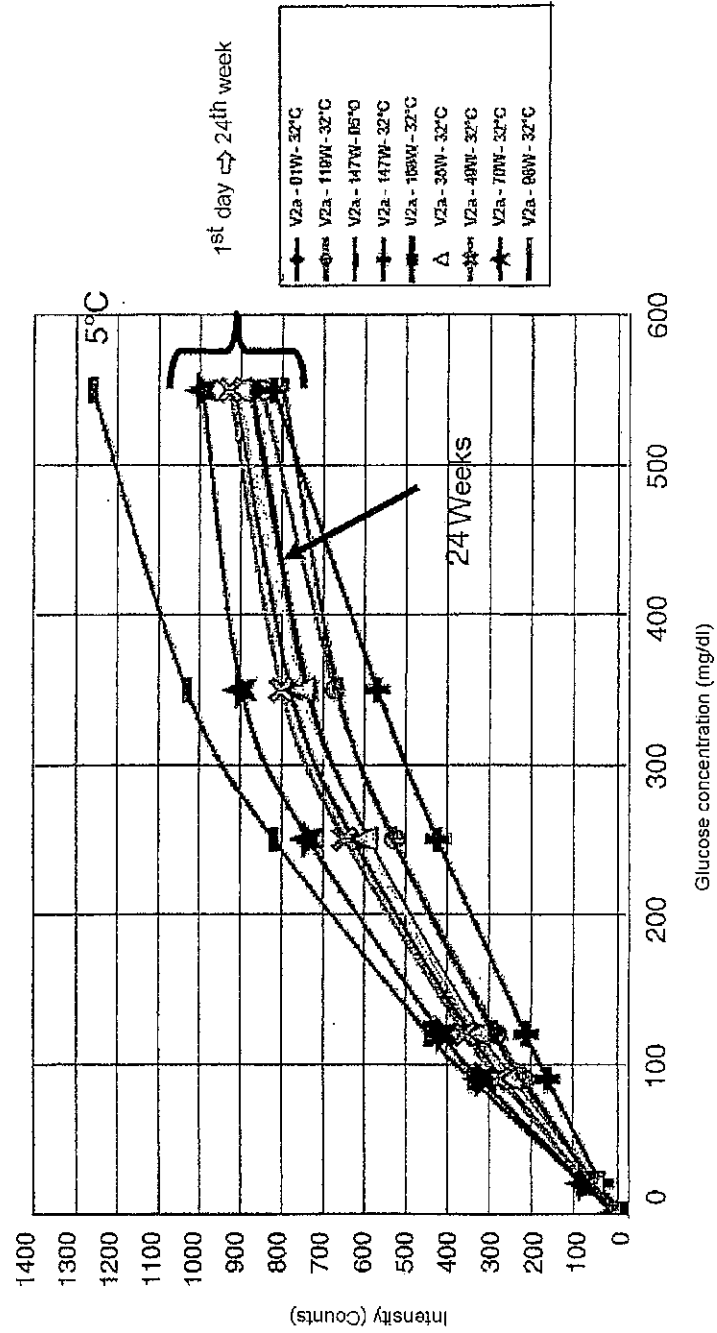


Figure 6

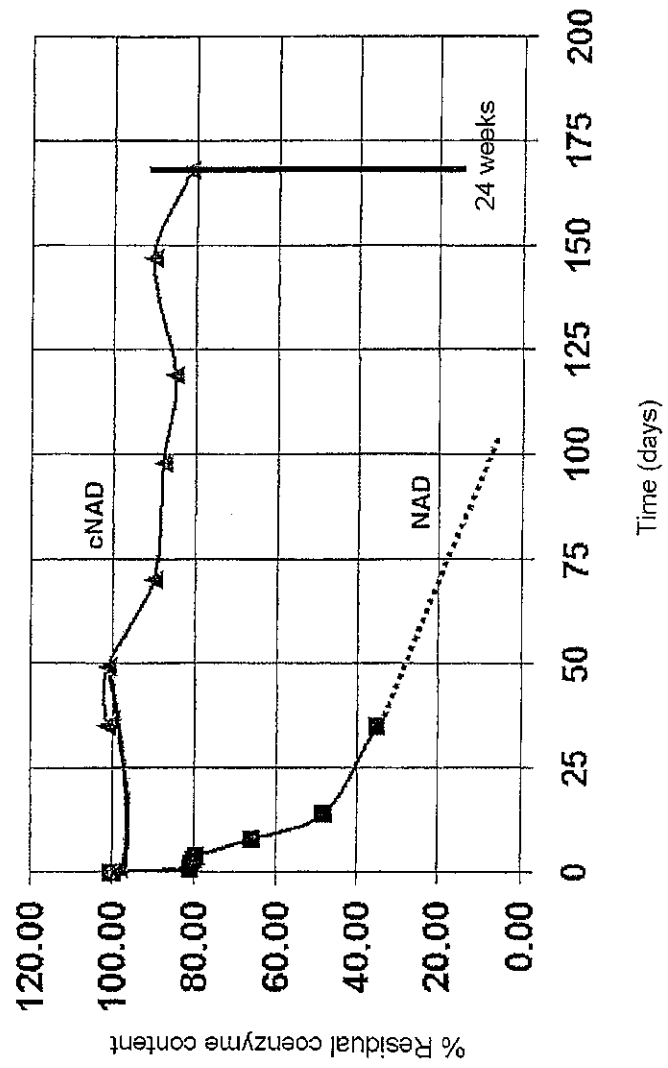


Figure 7A

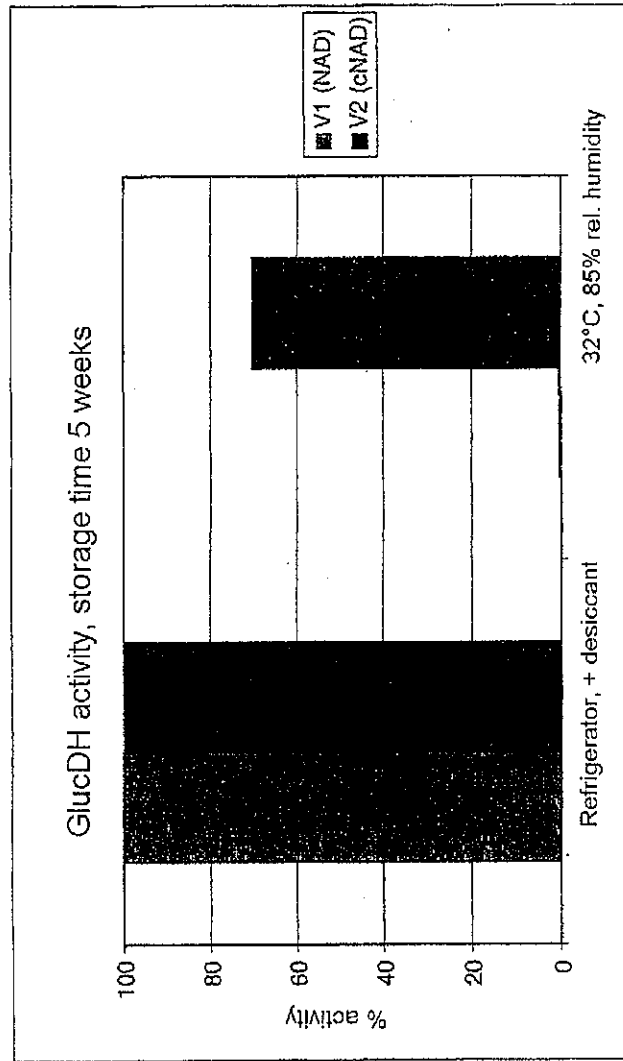


Figure 7B

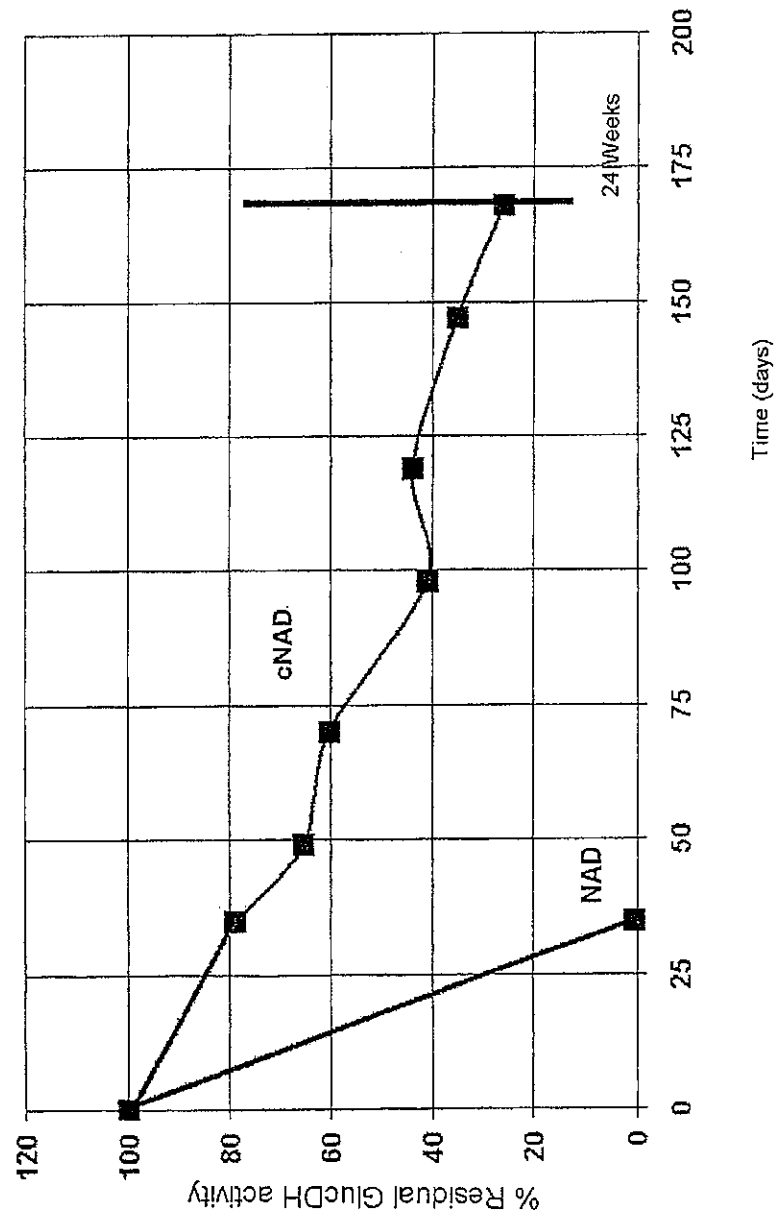


Figure 8

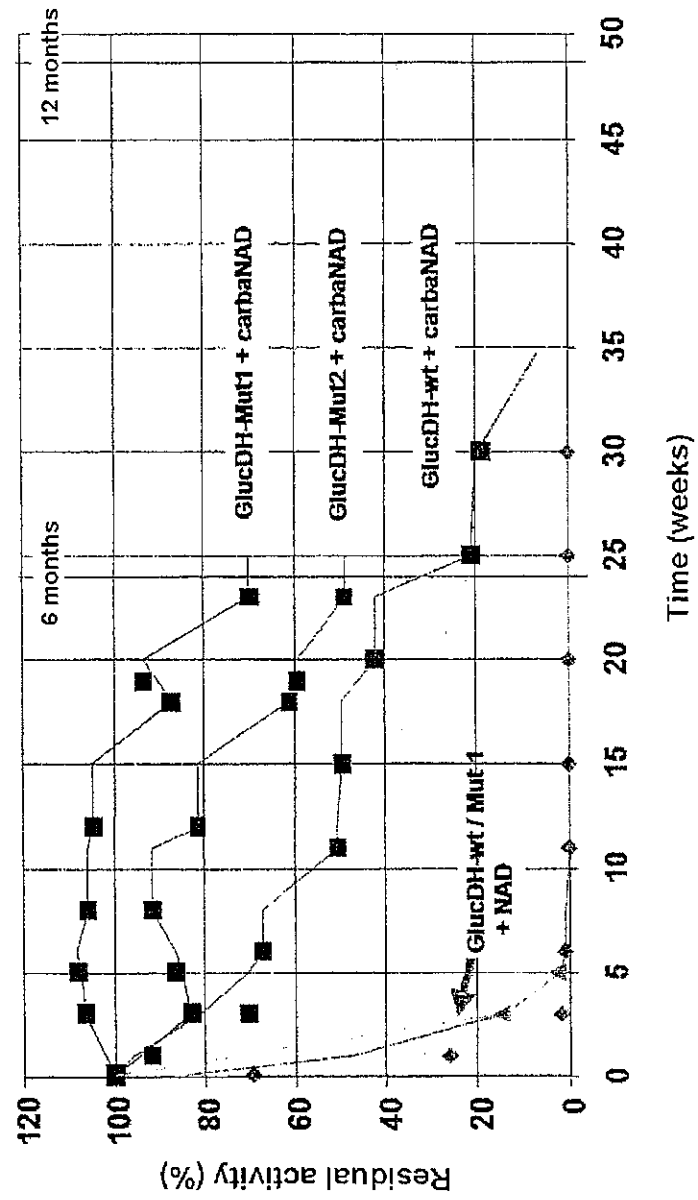


Figure 9

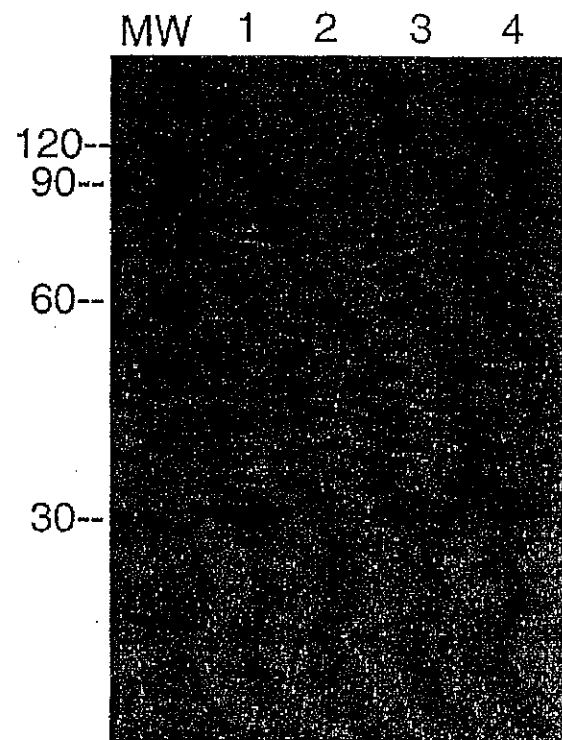


Figure 10

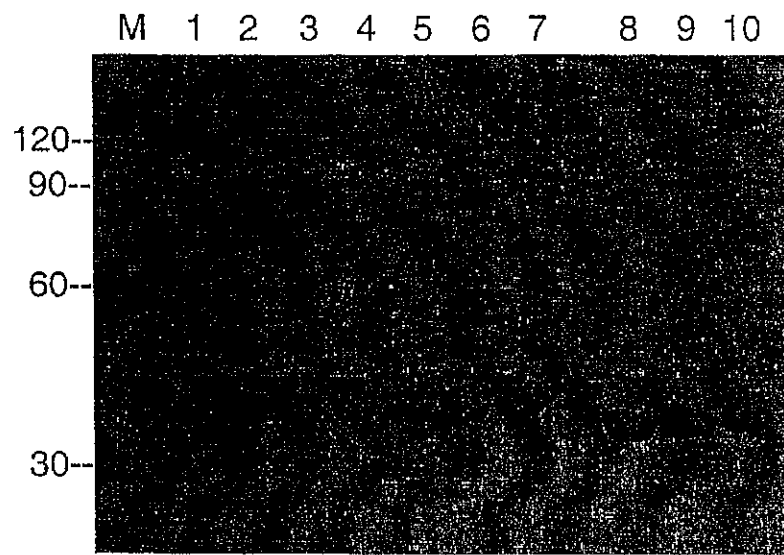


Figure 11A.

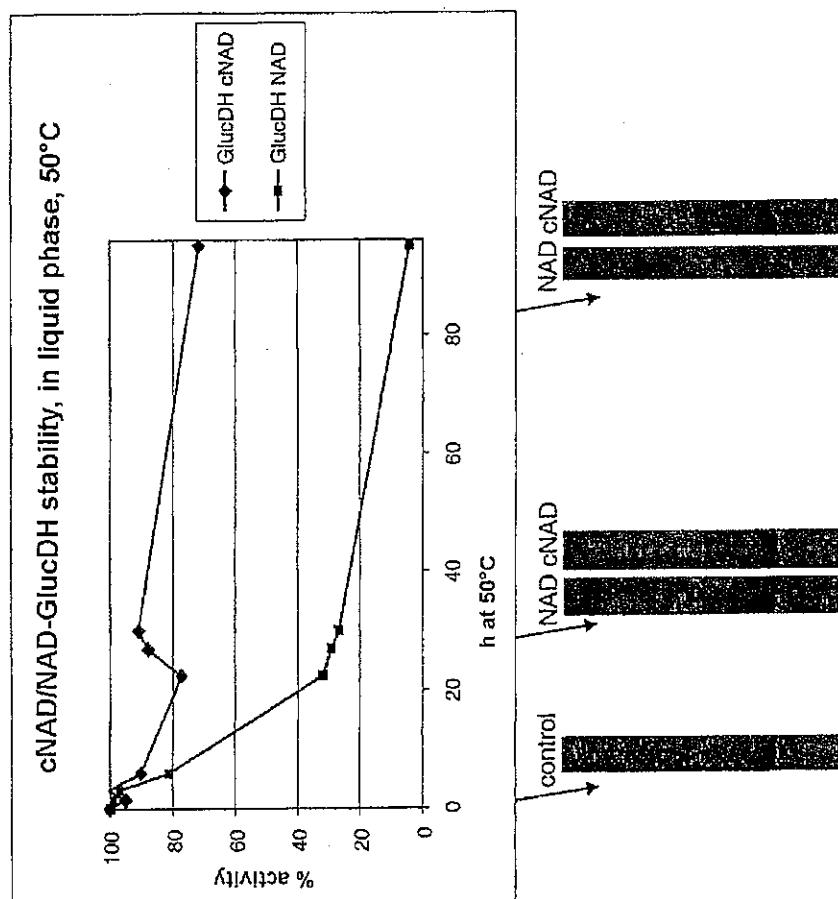
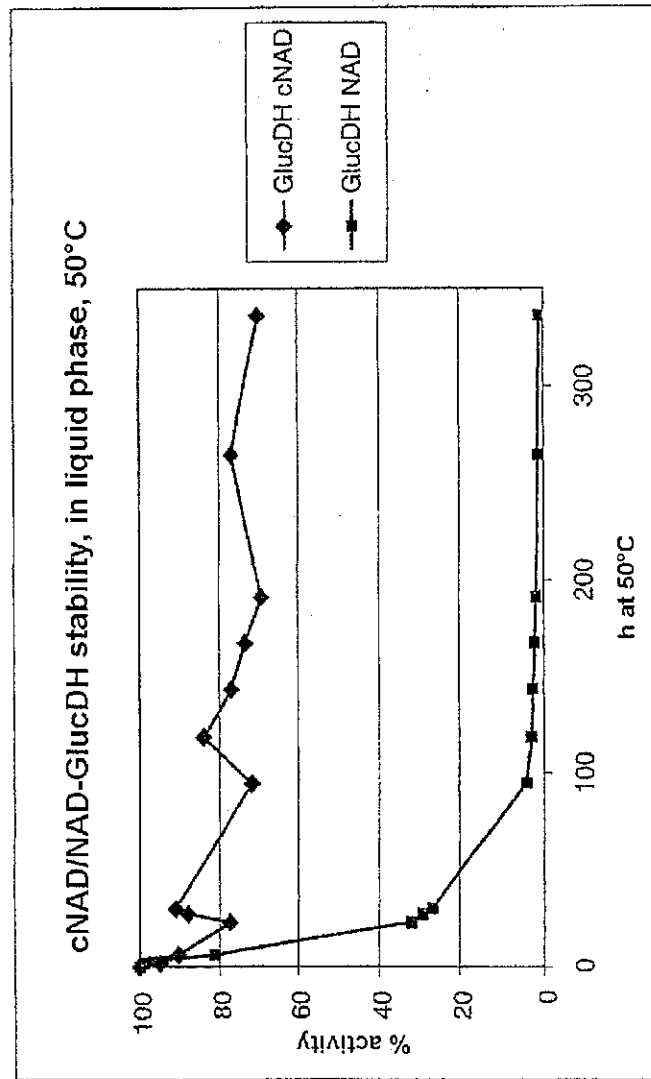


Figure 11 B



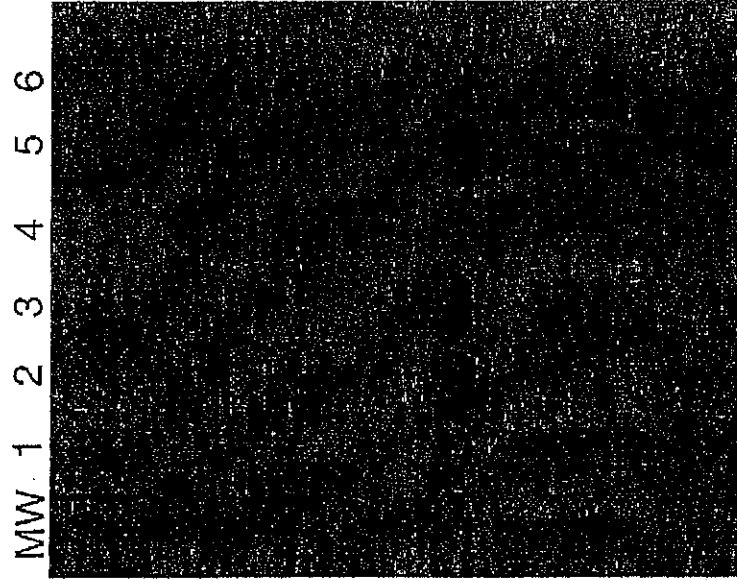
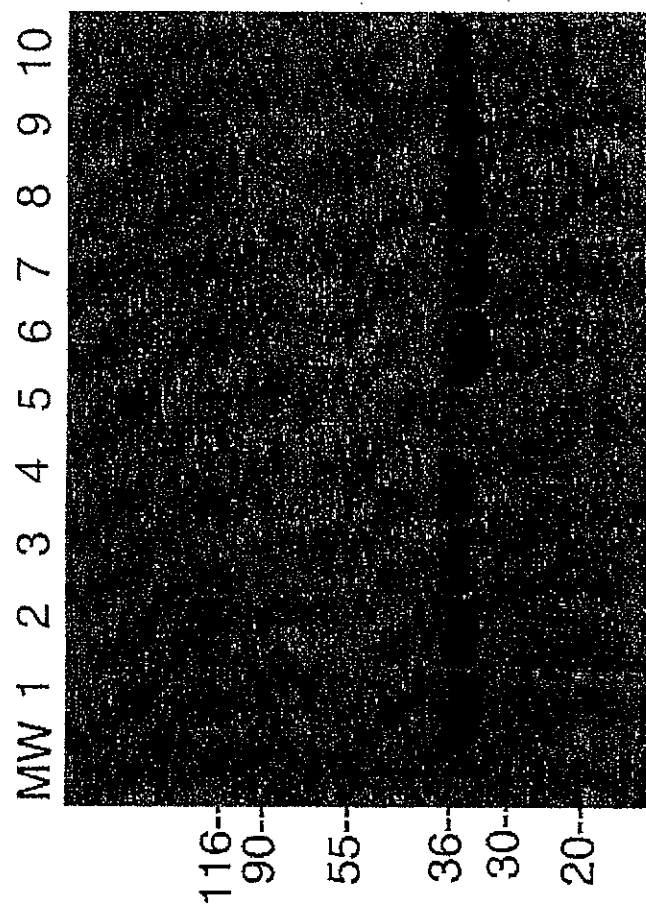


Figure 12

**Figure 13**



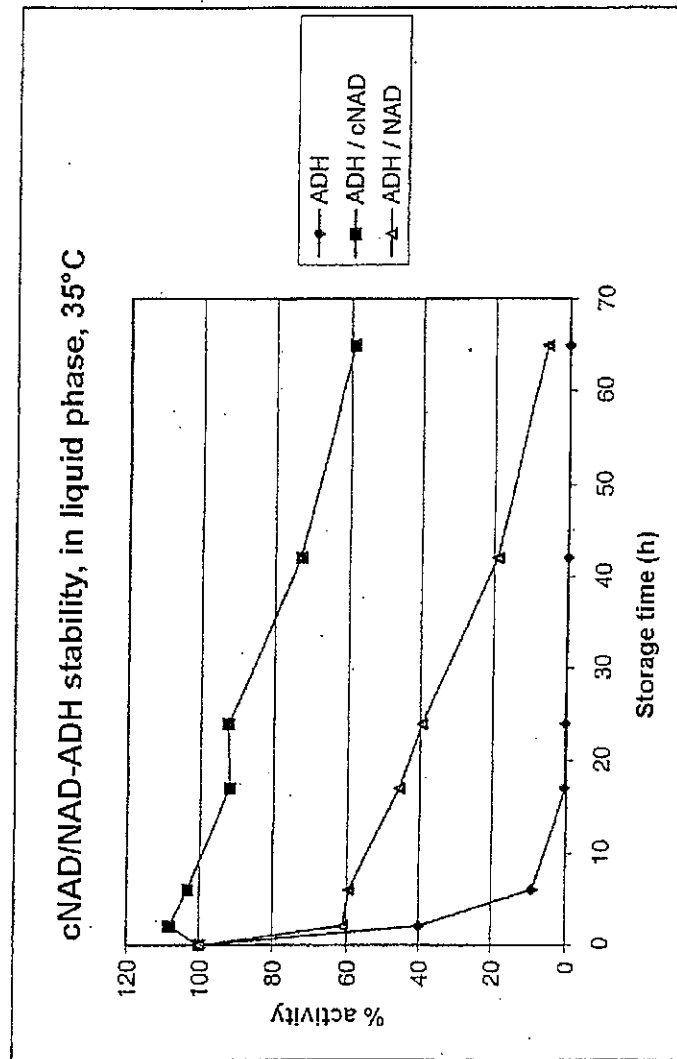


Figure 14

Figure 15

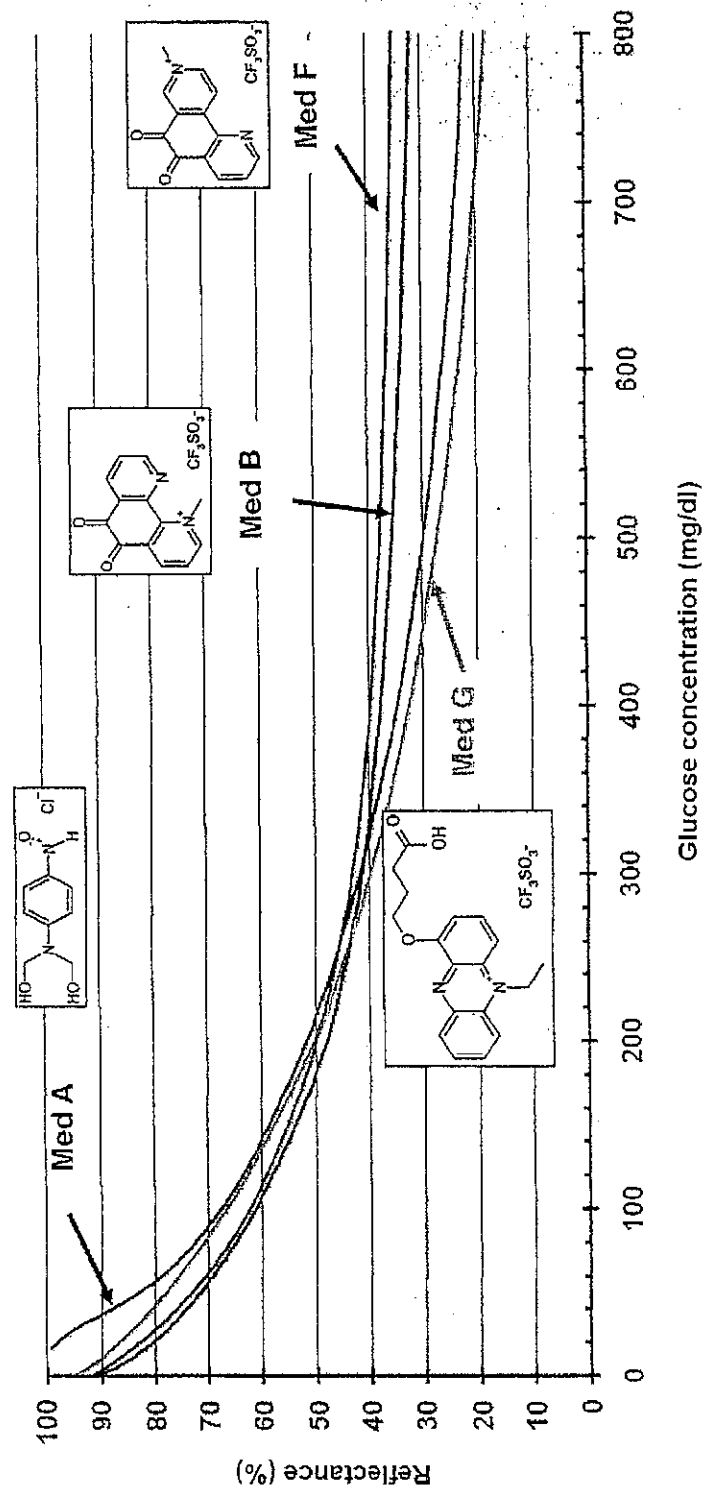


Figure 16

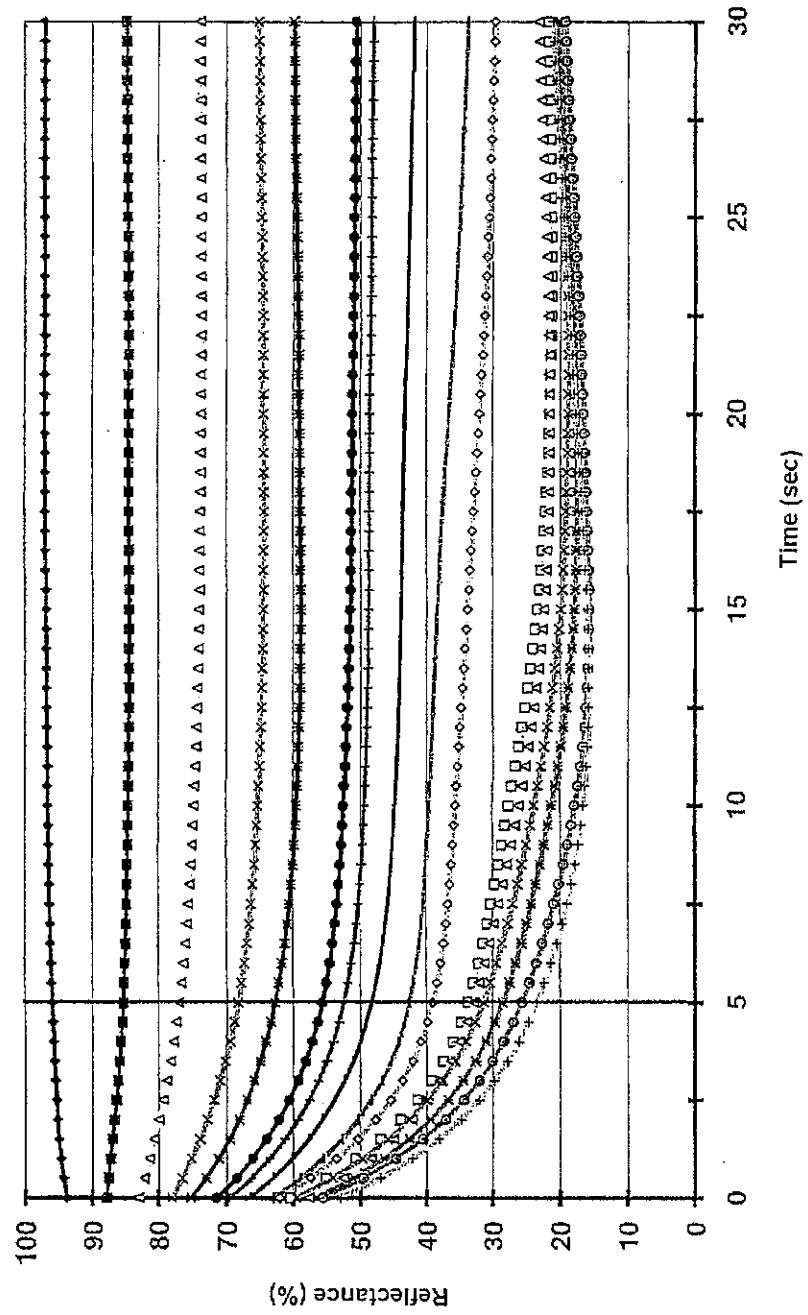


Figure 17

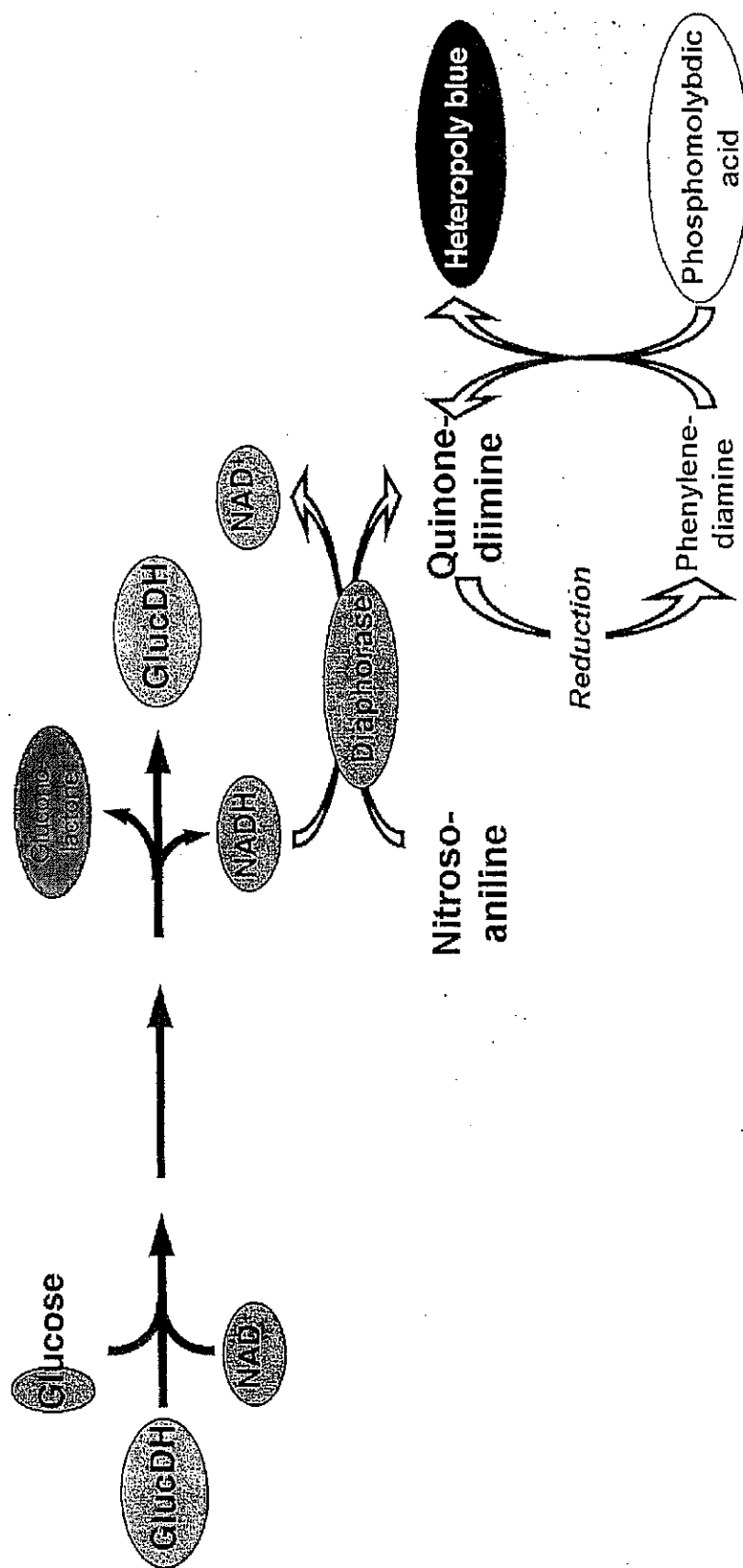


Figure 18

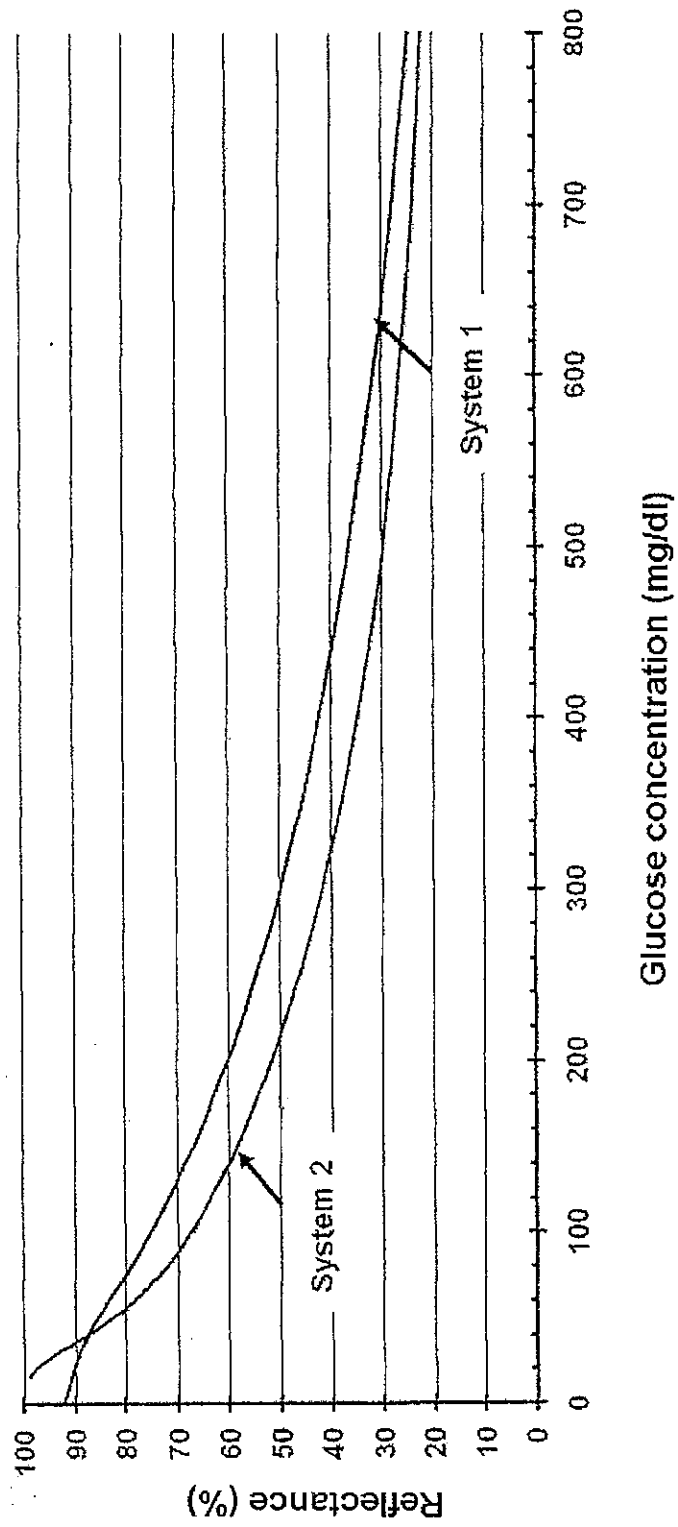


Figure 19

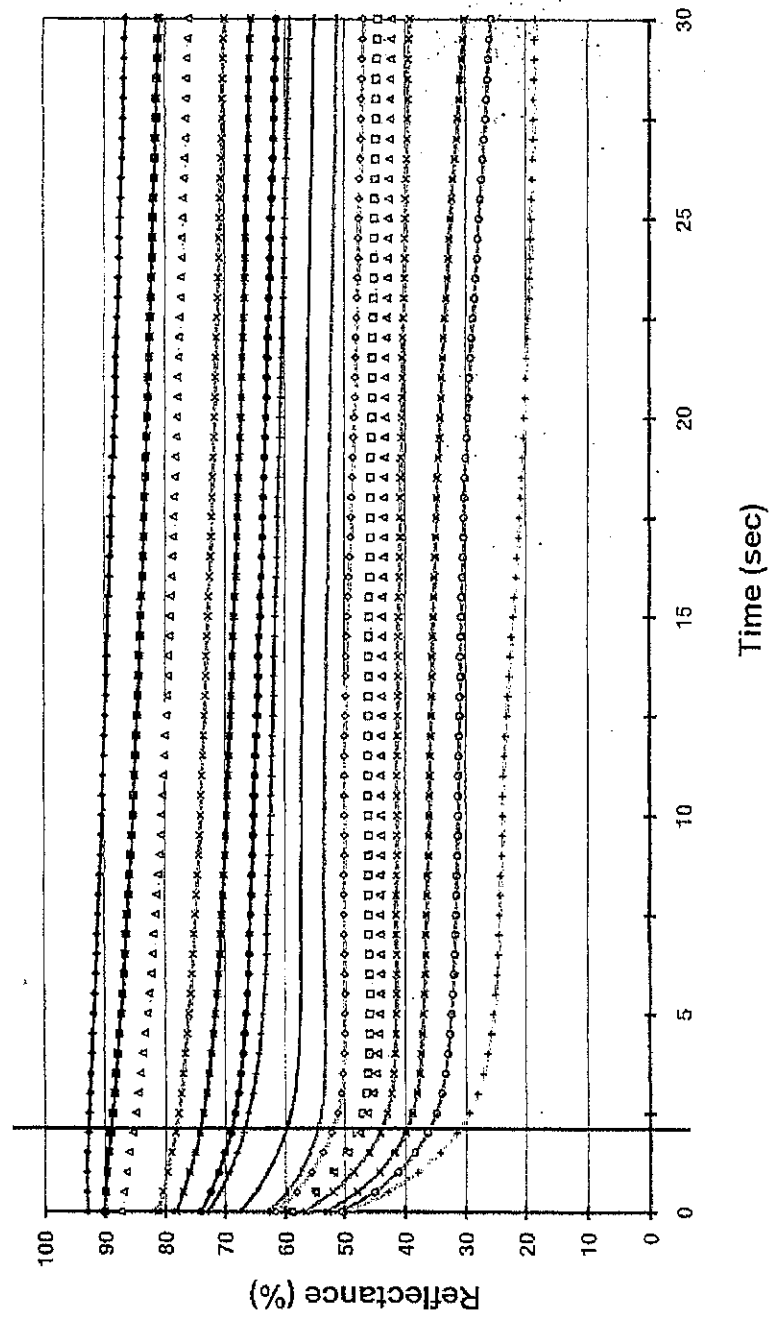


Figure 20

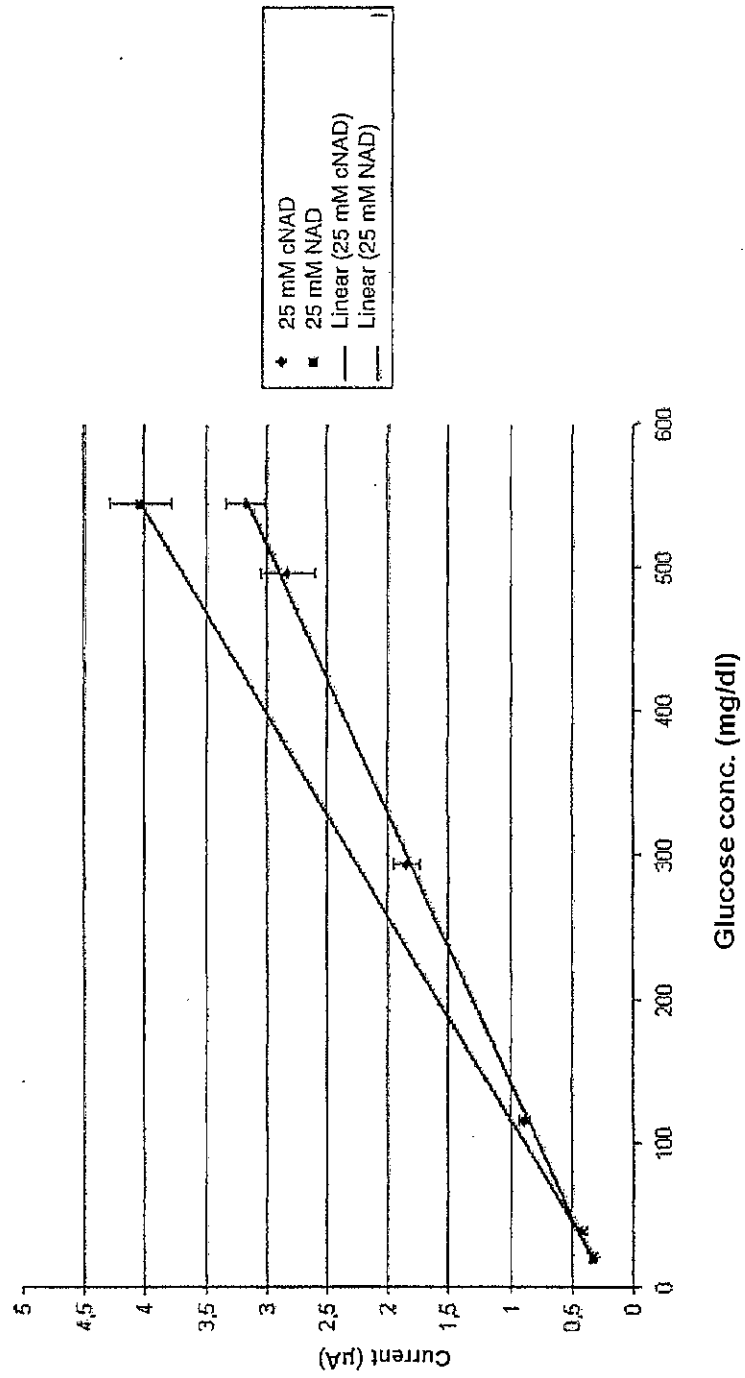


Figure 21

## GlucDH\_E96G\_E170K

M Y P D L K G K V V A I T G A A S G L G K A M A I R F G K E  
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 V V Q G D V T K E E D V K H E M P L K D W D K V I G T N L T G A  
 N N A G L G N P V P S H E N D I K G N V I N M S S V H E V I  
 F L G S R E A I K Y F V E N G I K L M T K T L A L E Y A P K G  
 P W P L F V H Y A A S K G G I N T P I N A E K F A D P K A D V E  
 I R V N N I G P G A I N T P I A A V A V W L A S K E S S Y V T  
 S M I P M G Y I G E P E I A A V A V W L A S K E S S Y V T  
 G I T L F A D G G M T K Y P S F Q A G R G

## GlucDH\_E170K\_K252L

M Y P D L K G K V V A I T G A A S G L G K A M A I R F G K E  
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 V V Q G D V T K E E D V K H E M P L K D W D K V I G T N L T G A  
 N N A G L G N P V P S H E N D I K G N V I N M S S V H E V I  
 F L G S R E A I K Y F V E N G I K L M T K T L A L E Y A P K G  
 P W P L F V H Y A A S K G G I N T P I N A E K F A D P K A D V E  
 I R V N N I G P G A I N T P I A A V A V W L A S K E S S Y V T  
 S M I P M G Y I G E P E I A A V A V W L A S K E S S Y V T  
 G I T L F A D G G M T L Y P S F Q A G R G