

V_L DNA/Protein

```

1  ATGGAGACCGATACCCCTCCTGCTATGGGTCCCTCCTGCTATGGGTCCCAGGATCAACCGGA
   M E T D T L L L W V L L L W V P G S T G
61  GATATTGAGATGACCCAGTCTCCATCTACCCCTCTCTGCTAGCGTGGGGATAGGGTCACC
   D I Q M T Q S P S T L S A S V G D R V T
121 ATAACCTGCTCTGCCAGCTCAAGTATAAGTTACATGCACTGGTACCAGCAGAAGCCAGGC
   I T C S A S S S I S Y M H W Y Q Q K P G
181 AAAGCTCCCAAGCTCTAATTTATACCACATCCAACTGGCTTCTGGAGTCCCTGCTCGC
   K A P K L L I Y T T S N L A S G V P A R
241 TTCAGTGGCAGTGGATCTGGGACCGAGTTCACCCCTCACAATCAGCTCTCTGCAGCCAGAT
   F S G S G S G T E F T L T I S S L Q P D
301 GATTTGCGCACTTATTACTGCCATCAAAGGAGTACTTACCCACTCACGTTCCGTCAGGGG
   D F A T Y Y C H Q R S T Y P L T F G Q G
361 ACCAAGGTGGAGGTCAAACGAAGTGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCT
   T K V E V K R T V A A P S V F I F P P S
421 GATGAGCASTTGAAATCTGGAAGTGCCTCTGTTGTGTGCTGCTGAATAAGTTCTATCCC
   D E Q L K S G T A S V V C L L N N E Y P
481 AGAGAGGCCAAAGTACAGTGGAGGTGGATAACGCCCTCCAATCGGGTAAGTCCCAGGAG
   R E A K V Q W K V D N A L Q S G N S Q E
541 AGTGTACAGAGCAGGACAGCAAGGACAGCACCTACAGCGTCAGCAGCACCCCTGACGCTG
   S V T E Q D S K D S T Y S L S S T L T L
601 AGCAAAGCAGACTACGAGAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGGCTG
   S K A D Y E K H K V Y A C E V T H Q G L
661 AGCTCGCCCGTCACAAAGAGCTTCAACAGGGGAGAGTGTAG
   S S P V T K S F N R G E C

```

FIG. 1

V_H DNA/Protein

1 ATGGGATGGAGCTGGATCTTTCTCTCCTCCTGTCAGGTACCGCGGGCGTGCACCTCTCAG
 M G W S W I F L F L L S G T A G V H S Q
 61 GTCCAGCTTGTCCAGTCTGGGGGTGAAGTCAAGAAACCTGGCTCGAGCGTGAAGGTCTCC
 V Q L V Q S G A E V K K P G S S V K V S
 121 TGCAAGGCTTCTGGCTACACCTTTACTAGCTACAGGATGCACCTGGGTAAAGGCAGGCCCTC
 C K A S G Y T F T S Y R M H W V R Q A P
 181 GGACAGGGTCTGGAATGGATTGGATATATTAATCCGTCGACTGGGTATCTGAATACAAT
 G Q G L E W I G Y I N P S T G Y T E Y N
 241 CAGAAGTTCAAGGACAAGGCAACAACTTACTGCAGACGAATCCACCAATACAGCCTACATG
 Q K F K D K A T L T A D E S T N T A Y M
 301 GAATGAGCAGCCTGAGATCTGAGGACACCGCAGTCTATTACTGTGCAAGAGGGGGGGGG
 E L S S L R S E D T A V Y Y C A R G G G
 361 GTCTTGACTACTGGGGCAAGGAACCTGGTCACAGTCTCCTCAGCCTCCACCAAGGGC
 V F D Y W I G Y I N P S T G Y T E Y N
 421 CCATCGGTCTTCGCGCTGGCACCCTCCTCCAAGAGCACCTCTGGGGGCACAGCGGCCCTG
 P S V F P L A P S S K S T S G G T A A L
 481 GGCTGCGTGGTCAAGGACTACTTCCCGGAACCGGTGACGGTGTCTGTGGAAGTCAAGCGCC
 G C L V K D Y F P E P V T V S W N S G A
 541 CTGACCAGCGCGGTGCACACCTTCCCGGCTGTCTACAGTCTCAGGACTCTACTCCCTC
 L T S G V L F P A V L Q S S G L Y S L
 601 AGCAGCGTGGTGAACCGTCCCGCTCCAGCAGCTTGGGCAACCCAGACCTACATCTGCAACGTG
 S S V V T V P S S S L G T Q T Y I C N V
 661 AATCACAAGCCCAGCAACACCAAGGTGGACAAGAACTTGAGCCCAATCTTGTGACAAA
 N H K P S N T K V D K K V E P K S C D K
 721 ACTCACACATGCCACCGTGGCCAGCAGCTGAAGTCTCTGGGGGGACCGTCAGTCTTCTC
 T H T P C P A P E L L G G P S V F L
 781 TTCCCCCAAAACCCCAAGGACACCCCTCATGATCTCCCGGACCCCTGAGGTGCATGCGCTG
 F P P K P K D T L M I S R T P E V T C V
 841 GTGGTGGAGCTGAGGCAAGAGACCTGAGGTCAAGTCAACTGGTACGTGGACGGCGGTG
 V V D V S H E D P E V K F N W Y V D G V
 901 GAGGTGCATAATGCCAAGACAAAGCGCGGGAGGAGCAGTACAACAGCAGTACCGTGTG
 E V H N A K T K P R E E Q Y N S T Y R V
 961 GTCAGCGTCTCTACCGTCTCTGACCCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAG
 V S V L T V L H Q D W L N G K E Y K C K
 1021 GTCTCCAACAAAGCCCTCCCGAGCCCGCATCGAGAAAACCATCTCCAAGCCAAAGGGCAG
 V S N K A L P A P I E K T I S K A K G Q
 1081 CCCCAGAAACACAGGTGTACACCCCTGCCCGCATCCCGGGATGAGCTGACCAAGAACCCAG
 P R E P Q V Y T L P P S R D E L T K N Q
 1141 GTCAGCCTGACCTGCTGGTCAAAGGCTTCTATCCCGAGGACATCGCGGTGGAGTGGGAG
 V S L T C L V K G F Y P S D I A V E W E
 1201 AGCAATGGGCGAGCCGAGGAGCAACTACAAGACACCGCTCCCGTGTGGACTCCGACGGC
 S N G Q E E N N Y K T T P P V L D S D G
 1261 TCCTTCTTCTCTACAGCAAGCTCACCGTGGACAGAGCAGGTGGCAGCAGGGGAACGTC
 S F F L Y S K L T V D K S R W Q Q G N V
 1321 TTCTCATGCTCCGTGATGATGAGGCTCTGCACAACCACTACACGAGAGAGGCTCTCC
 F S C S V M H E A L H N H Y T Q K S L S
 1381 CTGTCTCCGGGTAAATGA
 L S P G K

FIG. 2

1 GAATTCTCGGCGGTTACATAACTTACGGTAAATGGCCCGCTGGCTGACCGCCCAACGACCCCGCCCAATTGACGTCAATAATGACGTATGT
 95 TCCCATAGTAACGCCAATAGGGACTTTCCATTGACGTCAATGGGTGGAGTATTTACGGTAAACTGCCCACTTGGCAGTACATAGTGTATCAT
 189 ATGCCAAGTAGCGCCCTTATGTACGTCAATGACGGTAAATGGCCCGCTGGCAATATATGCCAGTACATGACCTTATGAGGACTTTCTACTTGGC
 283 AGTACATCTACGTATATAGTATTCGCTATATACCATGGTATGCGGTTTGGCAGTACATCAATGGCGTGGATAGCGGTTTGACTCACGGGGATT
 377 TCCAAGTCTCCACCCCATTTGACGTCAATGGGAGTTTGTTTTGGCACCAAAATCAACGGGACTTTCCAAATATGCTAAACAATCCGCCCCCATTTG
 471 ACGCAAAATGGCGGTAGGCGTGTACGGTGGGAGGTTCTATATAAGCAGAGCTCGTTAGTGAACCGTCAATGCGCTGGAGACGCCATCCACGGT
 565 GTTTTGACCTCCATAGAGACACCGGACCGATCCAGCCCTCGCTCGATCGACACCGCTCTAGACCCCATGGATGGAGTGGATCTTTCTC
 659 TTCTCTCCGTGACAGTACCGGGGCTGCACCTCTCAGGTGCAGCTTGTCCAGTCTGGGCTGAAGTCAAGAAACCTGGCTCGAGCGGTGAAGGCT
 753 CCTCGAAGGCTTCTGGCTACACCTTTACTAGTACAGGATGCACTGGTAAGCAGGCCCTGGACAGGCTCTGGAATGGATTGGATATATATA
 847 TCCGTGCACTGGGTATACTGAATACAAATCAGAAGTTTAAAGCAAGGCAACAATTAATCTGACAGAAATCCACCAATACAGCCTACATGGAACTG
 941 AGCAGCCTGAGATCTGAGGACACCGCAGTCTATTACTGTGCAAGAGGGGGGGGCTTTTGACTACTTGGGGCCAAGGAACCCCTGGTACAGTCT
 1035 CCTCAGGTGAGTCTTAAACCTCTAGAGCTTTCTGGGECAGGCCAGGCTGACCTTGGCTTTGGGGCAGGAGGGGCTAAGGTAGGTCAGGACGCT
 1129 GCGGCCAGCAGGTGCACACCCCAATGCCATGAGCCACACACTGACGCTGAACCTCGCGGACAGTTAAGAACCCAGGGGCTCTGGGCCCTG
 1223 GGCCAGCTGTGCCACACCGCGGTACATGGCAACACTCTTTGACGCTCCACCAAGGGGCCATCGGTCTTCCCTTGCACACCTCTCTCC
 1317 AAGAGCACCTCTGGGGCACAGCGCCCTGGGCTGCTGTCAAGGACTACTTCCCGAACCCGCTGACGCTGCTGTGAACCTCAGGCGCCCTGA
 1411 CCAGCGGCGTGCACACCTTCCCGCTGTCTTACAGTCTCTCAGGACTCTACTCCCTCAGCAGCGTGTGACCGTGCCTCCAGCAGCTTGGGCAC
 1505 CCAGACCTACATCTGCAACGTGAATCAAGCCACCAACCAAGGTGGACAAGAAAGTTGGTGAAGAGGCCAGCACAGGAGGGAGGGTGTCT
 1599 GCTGGAAGCAGGCTCAGCGCTCTGCTGGACGCTATGCCGCTATGACGCGCCAGTCCAGGGCAGCAAGGAGGCGCCGCTGCTCTTCAAC
 1693 CGGAGGCTCTGCCGCGCCCACTCATGTCTAGGAGAGGCTCTTCTGGCTTTTCCCAAGGCTCTGGCAGGCAAGGCTAGGTGCCCTTAACC
 1787 CAGGCGCTGCACACAAGGGGAGGCTGCTGGGCTCAGACCTGCCAAGAGCCATATCCGGGAGGACCTGCCCTGACCTAAGCCACCCCAAG
 1881 GCCAACTCTCCACTCCCTCAGCTCGGACACCTTCTCTCTCCAGATTCAGTAACCTCCCAATCTTCTCTGACAGAGCCCAATCTTTGTGAC
 1975 AAAACTCACACATGCCACCGTCCAGGTAAAGCCAGCCAGGCTCGCCCTCAGCTCAAGGCGGGACAGGTGCCCTAGAGTAGCCTGCATCC
 2069 AGGACAGGCCCCAGCAGGCTGTGACACGCTCCACCTCATCTCTTCTCAGCACCTGAACCTCTGGGGGACCGCTCAGTCTTCTCTTCCCC
 2163 CAARACCAAGGACACCTCATGATCTCCCGACCCCTGAGGTACATGCTGTGGTGGTGGACGTGAGCCACGAAGACCCCTGAGTCAAGTTCAA
 2257 CTGTTAGCTGGACGGGTGGAGGTGCATATGCCAAGACAAGCCCGGGAGGAGCAGTACACAGCAGTACCCGTGTGGTCAAGCTCCTCAAC
 2351 GTCCTGCACAGGACTGGCTGAATGGCAAGGAGTACAGTGCAGGTCTCCAAAGCCCTCCAGCCCCCAATCGAGAAACCAATCTCCCAAG
 2445 CCAAGGTGGACCCGTTGGGCTCGAGGGCCACATGACAGAGCCGCTCGGCCCAACCTCTGCCCTGAGAGTGACCGCTGTACCAACCTCTG
 2539 TCCCTACAGGGCAGCCCGAGAACCAACAGGTGTACACCTGCCCTGCCCTGAGCTGACCAAGAACCCAGGTCAAGCTGACCTGCCTGGT
 2633 CAAGGCTTCTATCCAGGACATCGCCGTTGAGTGGGAGAGCAATGGGCAGCCGAGAACAACTACAAGACCAAGCCCTCCGTGGACTCC
 2727 GACGGCTCTTCTCTCTACAGCAAGTCAACGTTGGACAAGAGCAGGTGGCAGCAGGGGAAGCTCTTCTCATGCTGCTGATGCTAGGGCTC
 2821 TGCAACAACCTACACGAGAGAGCCCTCTCCCTGTCTCCGGGTAAATGAGTGGCAGCGGCGGCAAGCCCGCTCCCGGGCTCTGCGGGTCT
 2915 CAGGAGGATGCTTGGCAGCTACCCCTGTACATACTTCCCGGGCCGACAGCATGGAAATAAGCACCCAGCGCTGCCCTGGGCCCTTGGCAGAC
 3009 TGTGATGTTCTTTCCACGGGTACGGCCGAGTCTGAGGCTGAGTGGATGAGGAGGAGCGGCTCCCACTGTCTCCACACTGGCCCCAGGC
 3103 TGTGACGGTGTGCTGGGCGGCTTAGGGTGGGGCTCAGCCAGGGGTGCCCTCGGAGGGGTGGGGGATTTGGCCAGGCTGGGCTTCCCTCCAGCA

FIG. 3A

FIG. 3B

6299 GTTAAAGTTCAICATGGTACTTAGACCTTAATGGAATGTCATGGCTTATTTACATTTTAAACAGGTACTGAGGACTCCTGTCTGCGCAAGGGCC
 6393 GTATTGAGTACTTCCACAACCTAATTTAATCCACACTATATCTGTGAGATTAATAACATTCATTAAATGTGTGCAAGGTTCTATAAAGCTGAG
 6487 AGACAAATATATCTATAAGTCAGCAATCCCACTTCTAGGATCCGGCCGCAATGATGATCTCAATAGTCAGCAACCATAGTCCCGGCCCTTAACCTG
 6581 CGCCCATCCCGGCCCTAACTCCGGCCAGTTCCGGCCATTCCTGGCCCATGCTGCTGACTAATTTTTTTTATTTATGCGAGGCGGAGGCCGCTC
 6675 GGCCTCTGAGCTATTCAGAAAGTAGTGAGGAGGCTTTTGGAGGCCCTAGGCTTTTGCANAAAGCTTGGACACAAGACAGGCTTCGAGATATG
 6769 TTTGAGAAATACCACTTTATCCCGGCTCAGGGAGAGGCGAGTCCGTAAAGACAGCGCACTCATGTGAATATCTGTTTATAGTGGCCAGATATG
 6863 TATAATCTCGCGCAACCTATTTTCCCTCGAACACTTTTAAAGCCGTAGATAAAGAGGCTGGACACCTTCAATAGAGGCAATAATACATCTGTCA
 6957 CTTGGGACATGTGTGAGATCCATGACGTAAACTTCGAAGCCGACTGATGCTTCTGAACAATGSAAGGSCATTTATGCGGTAAAGCGGTGGCGG
 7051 TCTGTACCGGGTCGCTTACTGGCGCGTGAATCGGGAATGCTCATCGTTATTTGATGACCTGGTGGTACCGGTGTGATGACTATGTTGTTGATATCCGCAAGATAC
 7145 CTTAAAGTGTGAACGGGCGAGAGGCGATGGCGAAGGCTTCATCGTTATTTGATGACCTGGTGGTACCGGTGTGATGACTATGTTGTTGATATCCGCAAGATAC
 7239 AAATGATCCAAAAGCGCATTTGTCAACCATCTCGCAAAACCGGCTGGTGTGCTGCTGGTGGTACCGGTGTGATGACTATGTTGTTGATATCCGCAAGATAC
 7333 CTGGATTGAACAGCGGTGGGATATGGCGTGGTATTCGTTCCCGCAATCTCCGCTCGCTAATCTTTTCAACGCCCTGGCACTCCCGGGCGTTGTT
 7427 CTTTAACTTCAGGCGGTTACAAATAGTTTCCAGTAAGTATCTGGAGGCTGCATCCATGACACAGGCAAACTCTGAGGCAAAACCTGTTTCAAA
 7521 CCCCGCTTAAACATCTCTGAACCTCGACCTAGTCCGGCGCTTTAATCAAGGCGCAACAGCGCTCTGCACTGGCCCTTGAIGGTAAACCA
 7615 TCCCTCACTGGTATCGCAATGATTAACCGTCTGATGTGGAATCGCGGGCAATGACCCAGCGGAATCTCGAAGTCCAGGCAAGTATTGTGAT
 7709 GAGCGATCCGGAACGTACCGACGATGATTTATACGATACGGTATGCGCGGGCAATGACCCAGCGGAATCTCGAAGTCCAGGCAAGTATTGTGAT
 7803 GAAGGAACCTTACTTCTGTGGTGTGACATAATTTGACAACTACCTACAGAGATTAAAGCTCTAAGGTAATAATAAATTTTAAAGTATATA
 7897 TGTGTTAACTACTGATTCTAATTTGTTGTTATTTTLAGATTCCAACTATGAACTGATGATGAGGAGGAGTGGTGGGAATGCTTTAATGATGATGAGG
 7991 AAACCTGTTTGGCTCAGAGAAATGCCATCTAGTCATGATGAGGCTACTGCTGACTCTCAACATCTACTGCTGCAAAAGAGAGAAAGGT
 8085 AGAAGACCCCAAGGACTTCTTACAGATTTGCTAAGTTTTTGGACTATGCTGTGTTTAGTAATGAACTCTTGGTCTTGGCTTTGCTATTACAC
 8179 AGAAAGGAAAGAGCTGCACTGCTATACAGAAATATGGAATAATTTCTGTAACTTTAAGTAGGCAATACAGTTATATAATCATATAACATAC
 8273 TGTTTTCTTACTTCCACACAGGCAATAGAGTGTCTGCTATTATAAATCTATGCTCAAAATTTGTGTACCTTTAGCTTTTAAATTTGTAAAGGGGT
 8367 TAATAAGGAATATTTGATGTAATAGTGCCTTGACTAGAGATCATATACGCCATACCAATTTGTAGAGGTTTTTACTTGTCTTAAAAACCTCC
 8461 ACACCTCCCTGAACOTGAACATAAATGATGCAATTTGTTGTTGTTAACTTGTTTATTCAGCTTATAAAGGTTACAAATAAAGCAATAGC
 8555 ATCACAATTTCAAAATAAGCATTTTCTTCACTGCAATCTAGTTGGTTTGTCCAACTCATCAATGTATCTATCATGTCTGGATCCTGC
 8649 CTCGGCGGTTTCGGTGTATGACGGTGAACCTCTGACACATCGAGTCCCGGAGAGCGGTGCTGTCTGTAAAGGGATGCCGGGAGAGAG
 8743 AAGCCCGTCAAGGGGGCTCAGCGGTTGTTGCGGGGTGTGCGGGGCGAGCCATGACCCAGTACAGTAGCCGATAGCGGAGTGTATCTGGGTTAAC
 8837 TATGCGGCTATCAGAGAGATGTACTGAGAGTGCACCATATGGGCTGTGAATACCGGACAGATGCGTCACTCAAGGCGGTAATACCGCATCAGGCGCT
 8931 CTTCGGCTTCTCGTCACTGACTCGCTGCGCTCGGTTCGGTTCGGCTGCGGGGAGGCGGATCAGCTCACTCAAGGCGGTAATACCGCATCAGGCGCT
 9025 AGAATCAGGGGATACCGAGGAAGAACATGTGAGCAAAAGGCGAGCAAAAGGCGAGCAACCGTAATAAGGCGGTAATACCGCATCAGGCGCT
 9119 AGGCTCCGCGCCCTGACGAGCAATGACAAAATCGAAGCTCAGAGTGGCGGAAGCGGACAGGACTATAAAGATACAGGCGTTTCCCAT
 9213 CTGGAAGTCCCTCGTGGCTCTCTCTGTCGACCTGCGGCTTACCGGATACCTGTGCGGCTTCTCCCTTCGGGAAGCGGTGGGCTTCTCA
 9307 ATGCTACGCTGAGGTATCTCAGTTCCGTGTAGGTGCTGCTGCTCAAGCTGGGCTGTGTGCAAGAACCGGCGGCTTCAGCCCGACCGCTGGGCG

FIG. 3C

9401 TTATCCGGTAACATACTGCTCTTGAGTCCCAACCCGGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAACAGGATTAGCAGAGCGAGGT
 9495 ATGTAGGCGGTGCTACAGAGTTCTTTGAAGTGGTGGCCTAACTAGGCTTACACTAGAGGACAGTATTTGGTATCTGGCTCTGCTGAAGCCAGT
 9589 TACCTTCGGAAAAAGAGTGGTAGCTCTTGATCCGGCAACAAACCAACCGCTGGTAGCGGTGGTTTTTTTGGTTTTCGAAGCCAGAGATTACGGCG
 9683 AGAAAAAAGGATCTCAAGAAGATCCCTTGATCTTTTCTACGGGCTCAGCGCTCAGTGGAAACGAAACTCAGCTTAAGGGATTTTGGTCTGACAG
 9777 GATTATCAAAAGGAATCTTCACTAGATCGCTTTAAATTAATAATCAAGTTTTAAATCAATCTAAAGTATATAGTAAACTTGGTCTGACAG
 9871 TTACCAATGCTTAATCAGTGAGGCCACCTATCTCAGCGATCTGTCTATTTCCGTTATCGATAGTTGCCTGACTCGCGGTCTGTGATATAACTACG
 9965 ATAGGGAGGGCTTACCATCTTGGCCCCAGTCTGCAATGATACGCGGAGACCCACCGTCAACCGGCTCCAGATTTATPCAGCAATAAACAGCCAG
 10059 CCGGAAGGGCGAGGCGCAGAAAGTGGTCCCGCAACTTTATCCGCCCTCCATCCAGTCTATTAATTTGTTCGCCGGGAAGCTAGAGTAAGTAGTTGCG
 10153 AGTTAATAGTTTGGCCAAACGTTGTTGCCATTTGCTGCAGGATCGGTGGTGTCAACGCTCGTCTGGTATGGCTTCATTCAGCTCCGGTTCCTCAA
 10247 CGATCAAGGCGAGTTACATGATCCCCCATGTTGTGCAAAAAGCCGTTAGCTCCTTCGGTCTCCGATCGTTGTTCAGAAGTAAAGTTGGCCGCGAG
 10341 TGTATCACTCATGTTATGGCAGGCACTGCATATTTCTCTTACTGTCTATGCCATCCGTAAGATGCTTTTCTGTTGACTGGTGAGTACTCAACCAA
 10435 GTCATTCTGAGATAGTGTATGGGGGACCGAGTTCCTTTGCCCGGGTCAACACGCGATATAACCGCCGACATACCGCCGACATAGCAGAACTTTAAAGTG
 10529 CTCATCATTTGGAACGTTCTTGGGGGCAAAACTCTCAAGGATCTTACCGCTGTTCAGATCCAGTTCGATGTAAGCCACTCGTGCACCCAACT
 10623 GATCTTCAGCATCTTTTACTTCACCAAGCGTTCTGGGTGAGCAAAACAGGAAGGCAAAATGCCGCAAAAAGGGAATAAGGGCGACACGGAA
 10717 ATGTTGAATACTCATACTCTTCCCTTTTCAAPATTATTGAAGCATTTATCAGGGTTATTGTCTCATAGAGGATACATATTTGAATGTAATTAG
 10811 AAAAATAACRAATAGGGGTTCCGGCGCACATTTCCCCGAAAAAGTGGCACCTGACGCTTAAGAAACCATTTATTATCATGACATTAACCTATATAAA
 10905 ATAGGCGTATATCAGAGGCCCTTTTCGTCCTCAA

FIG. 3D

GCATGCATCTCAATTAGTCAGCAACCATAGTCCCGCCCCCTAAC
TCCGCCCATCCCGCCCCCTAACTCCGCCCAGTTCCGCCCATTCT
CCGCCCCATGGCTGACTAATTTTTTTTATTTATGCAGAGGCCG
AGGCCGCCTCGGCCTCTGAGCTATTCCAGAAGTAGTGAGGAGG
CTTTTTTGGAGGCCTAGGCTTTTGCAAAAAGCTT

FIG. 3E

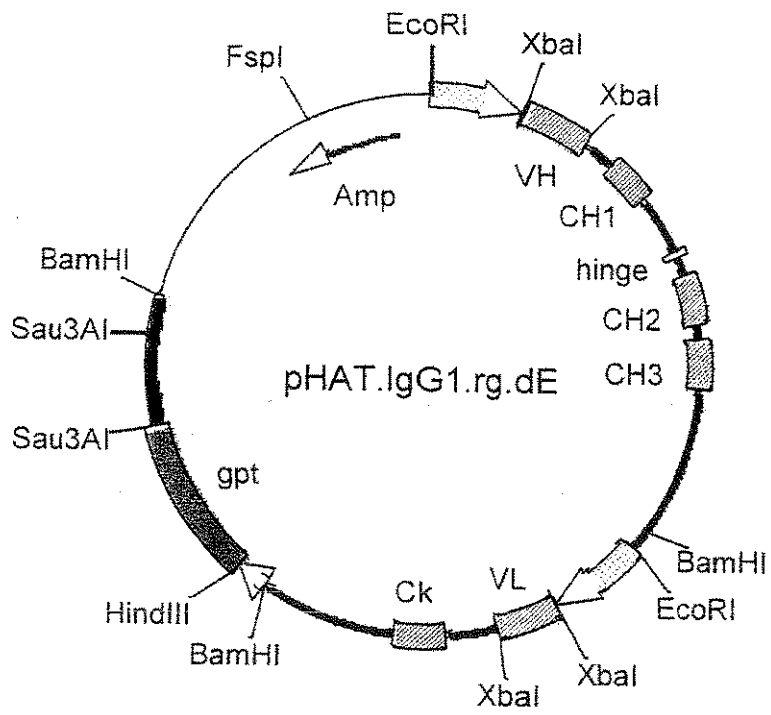


FIG. 4A

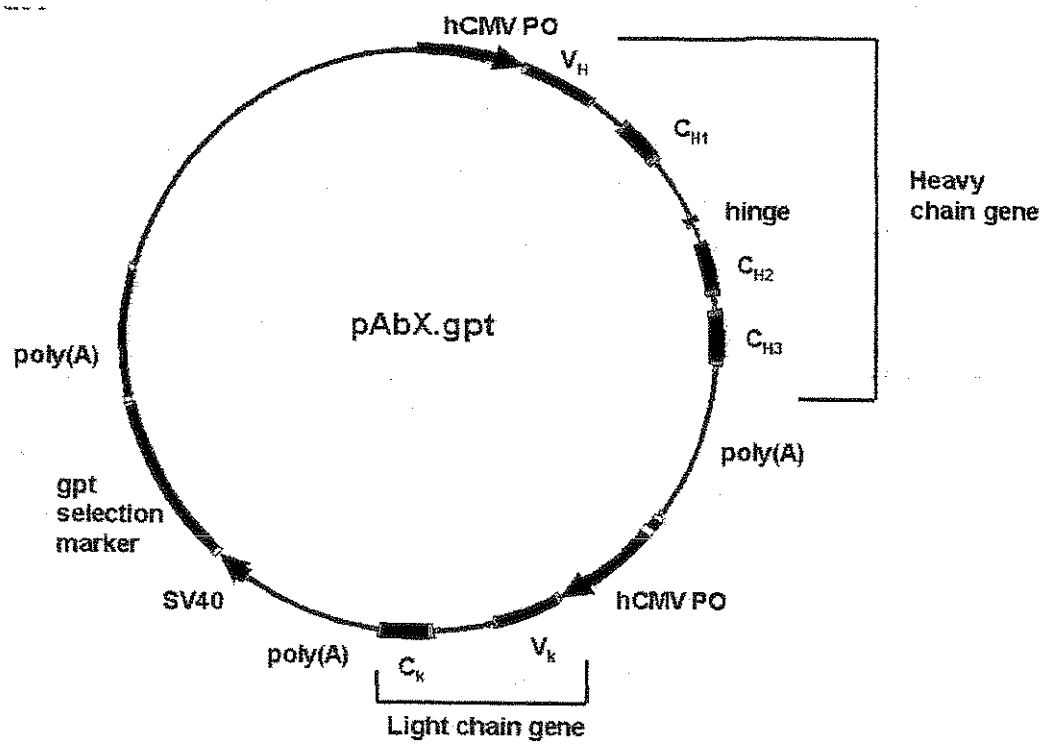


FIG. 4B

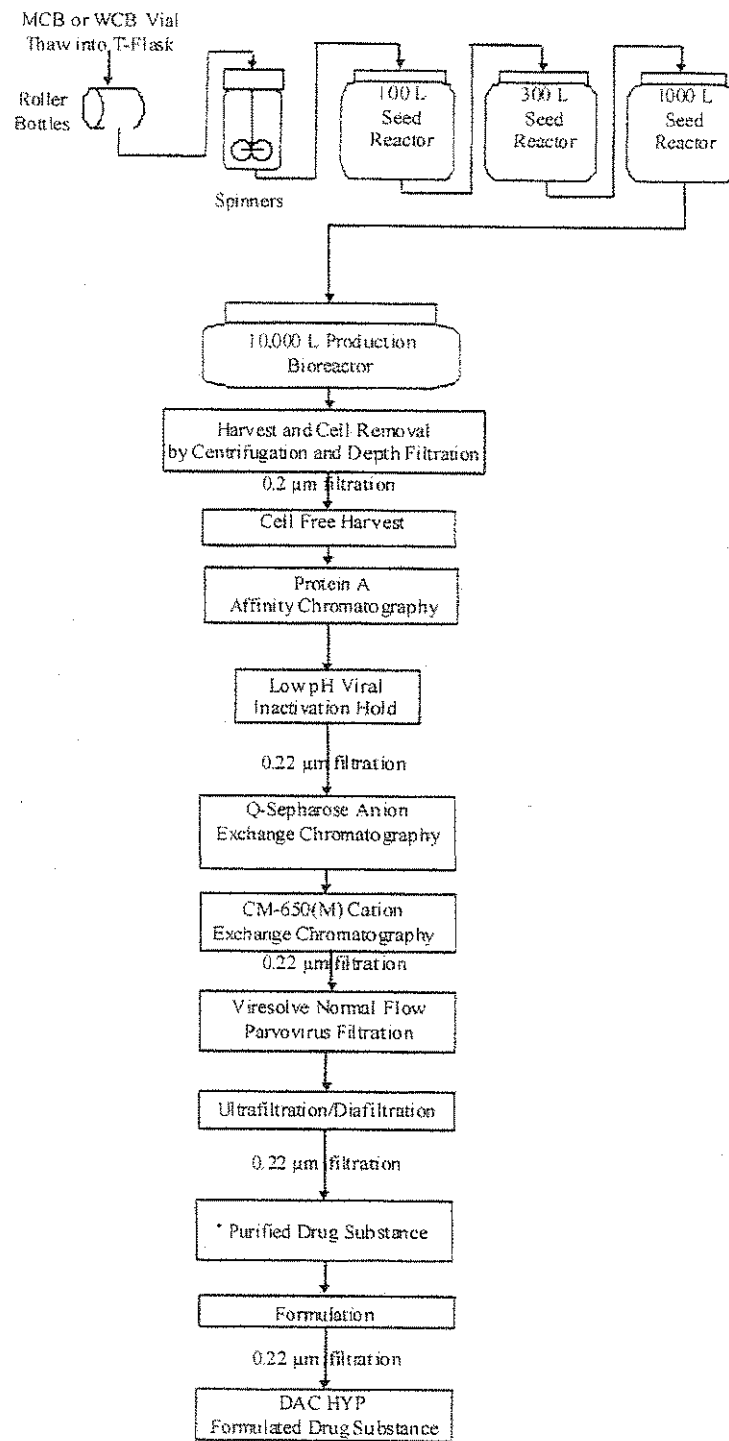


FIG. 5

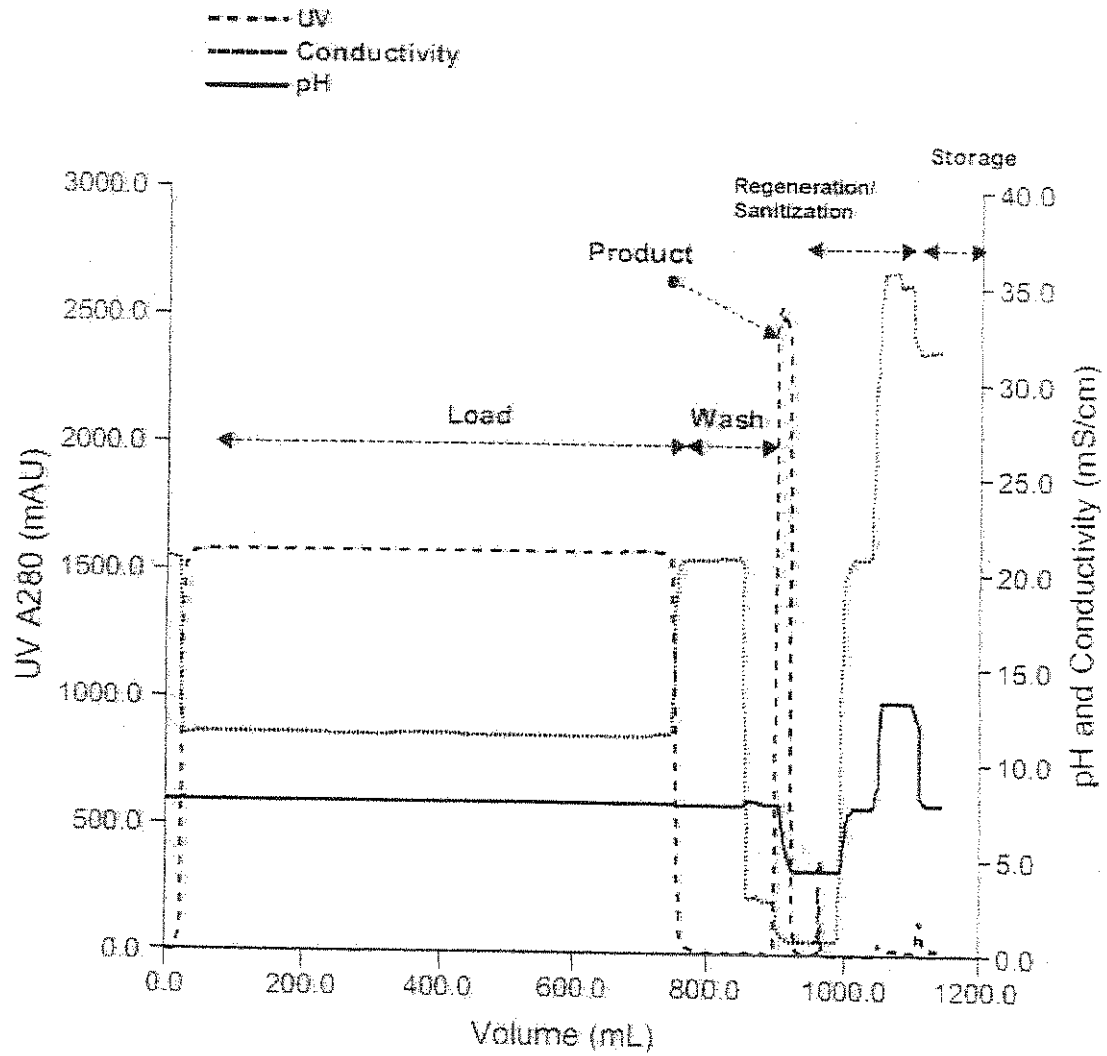


FIG. 6

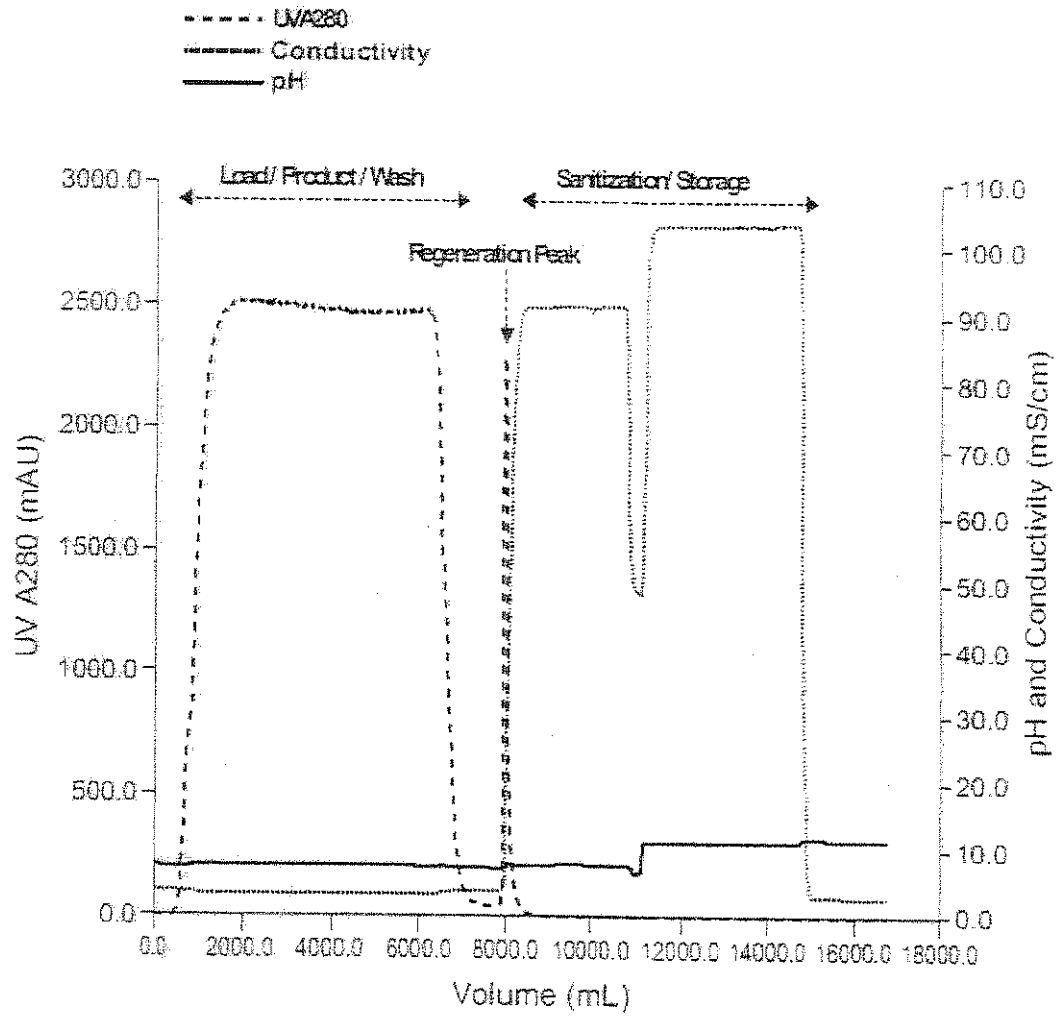


FIG. 7

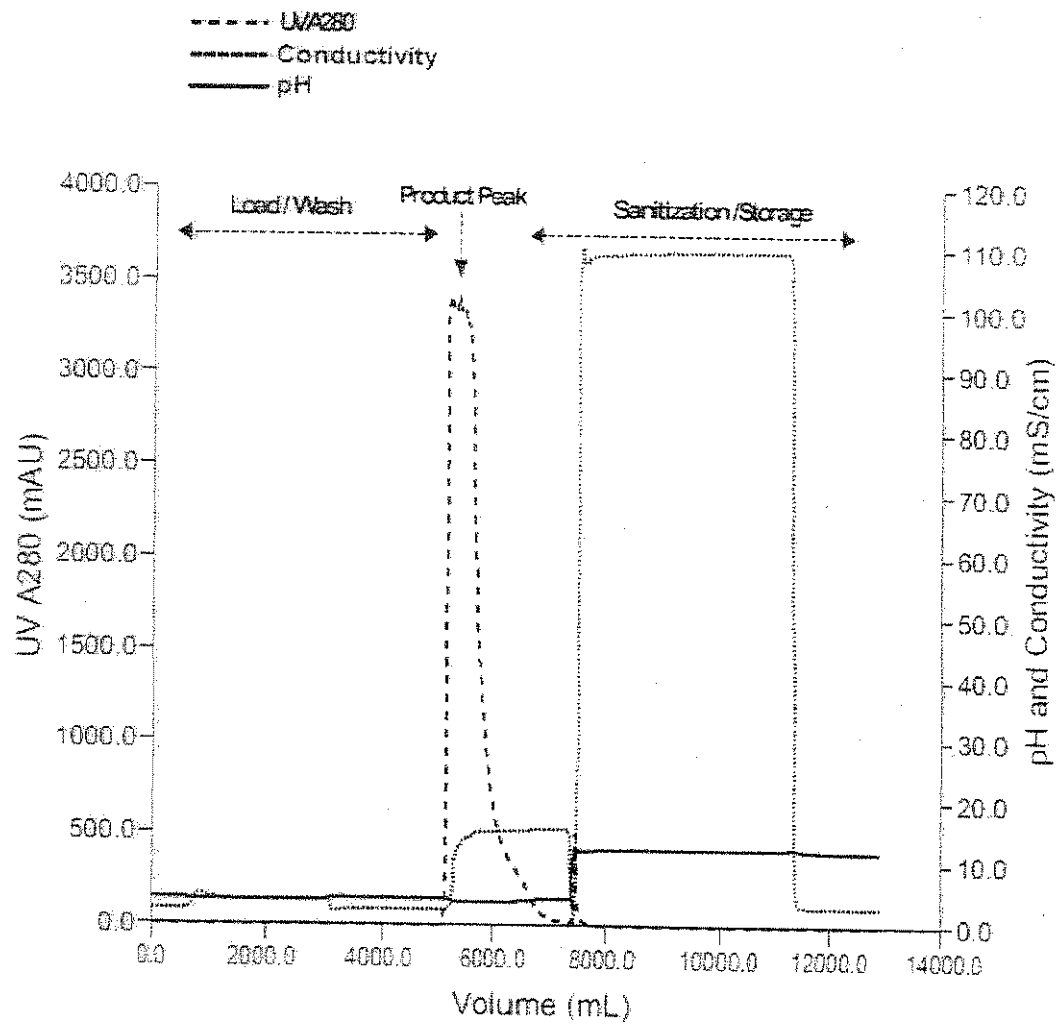
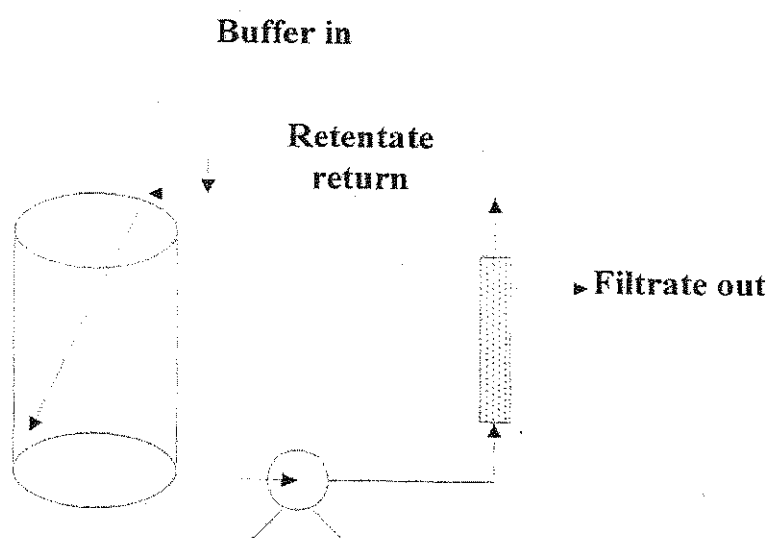


FIG. 8



DAC HYP UF

FIG. 9

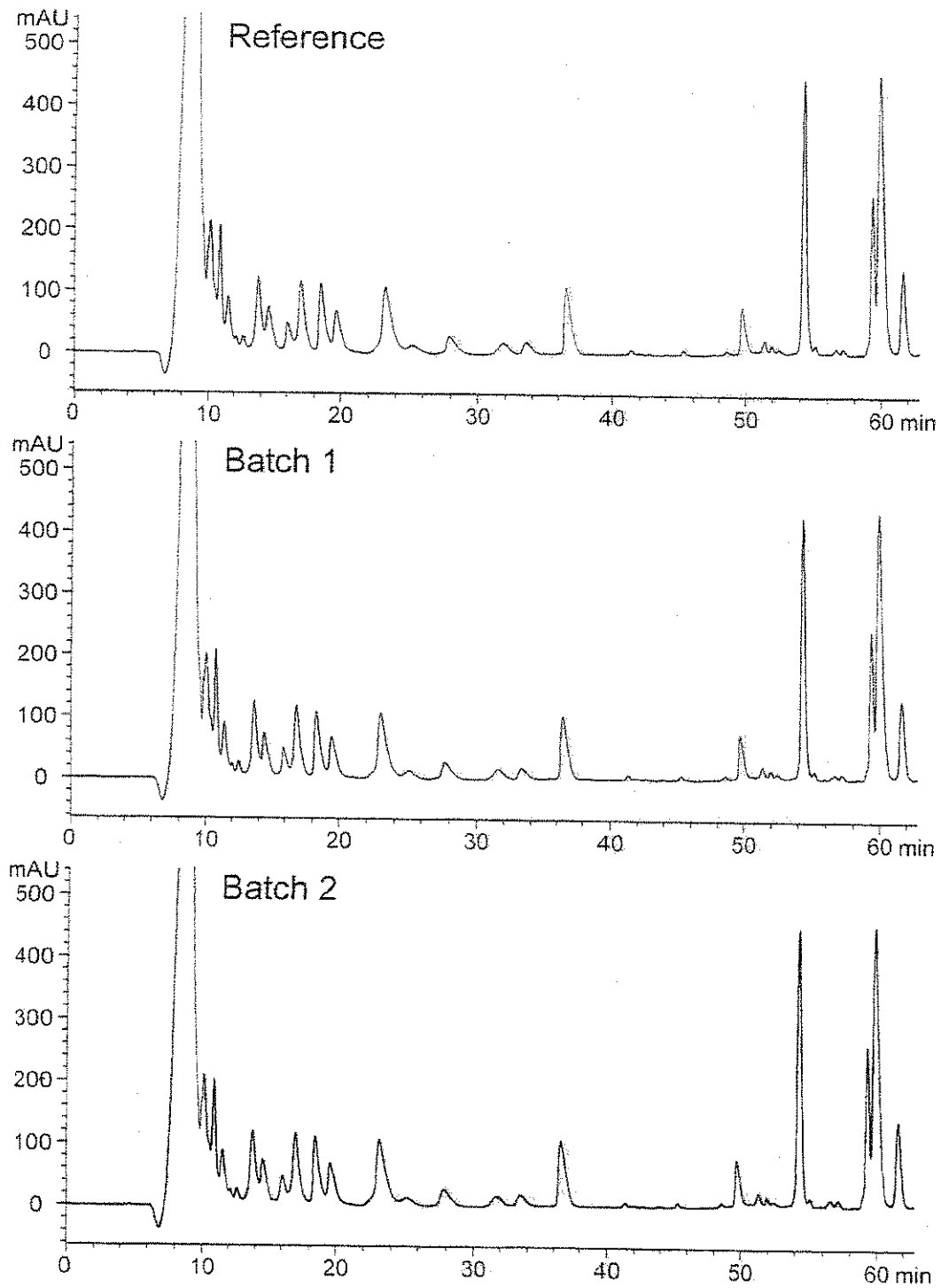


FIG. 10

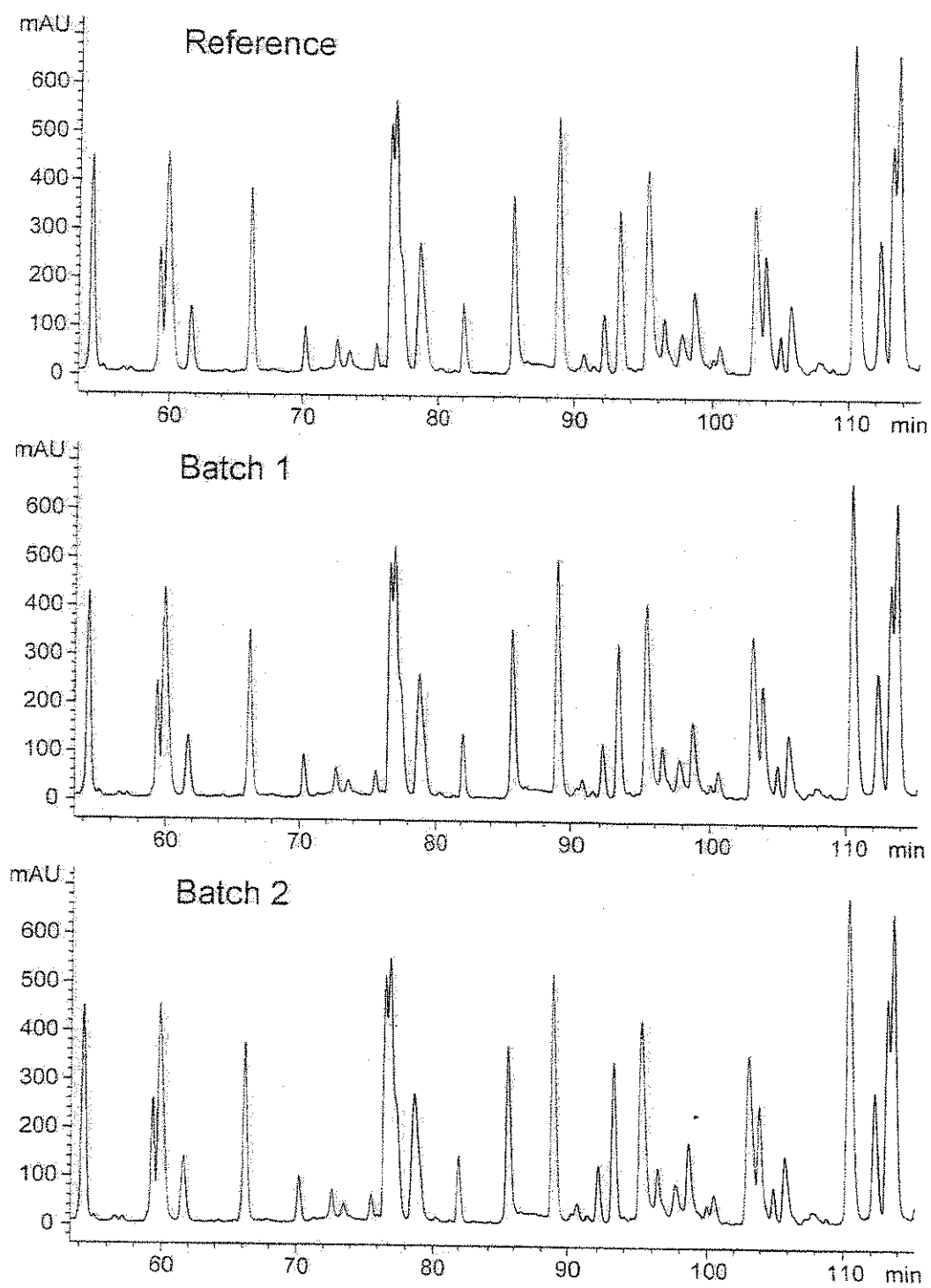
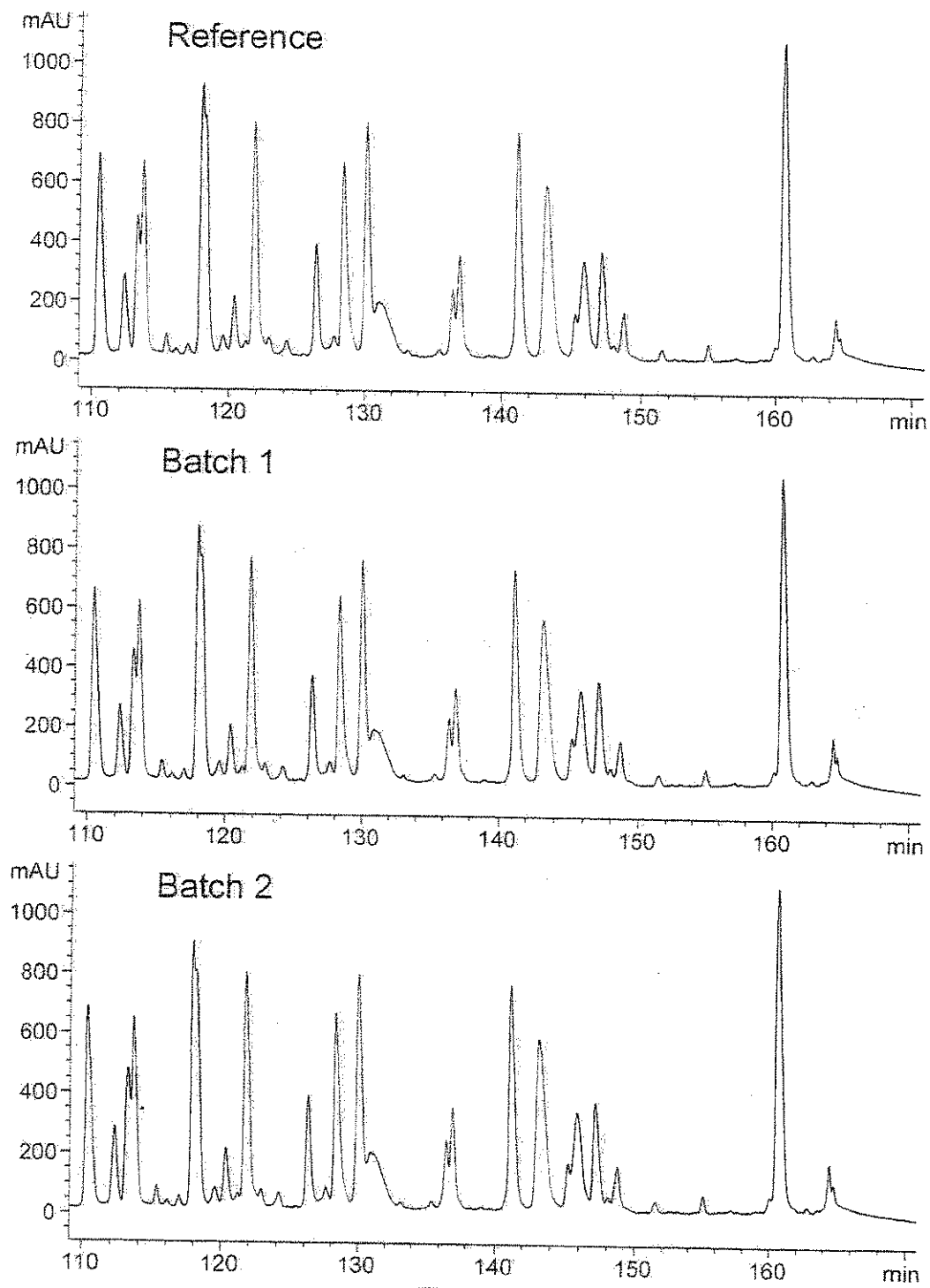


FIG. 11



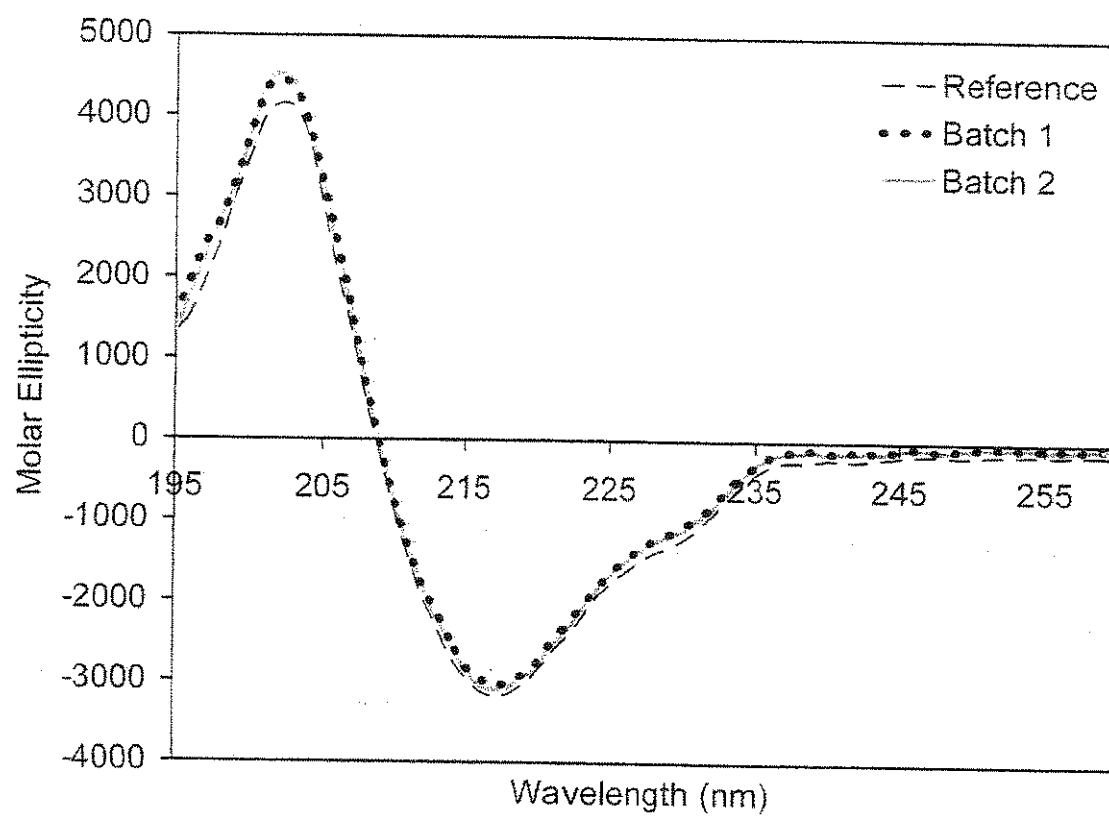


FIG. 13

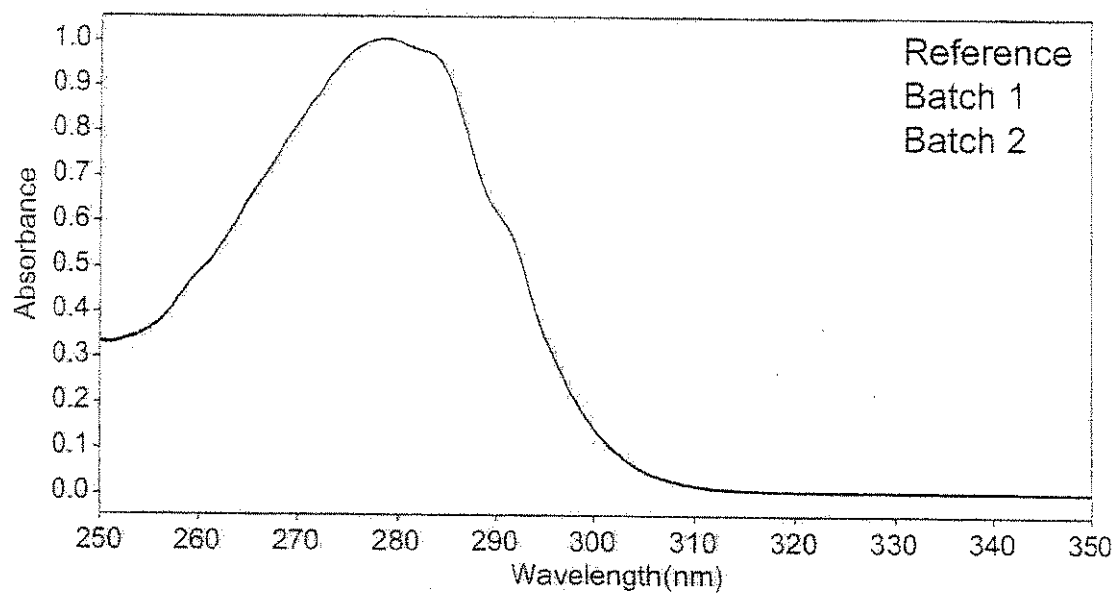


FIG. 14A

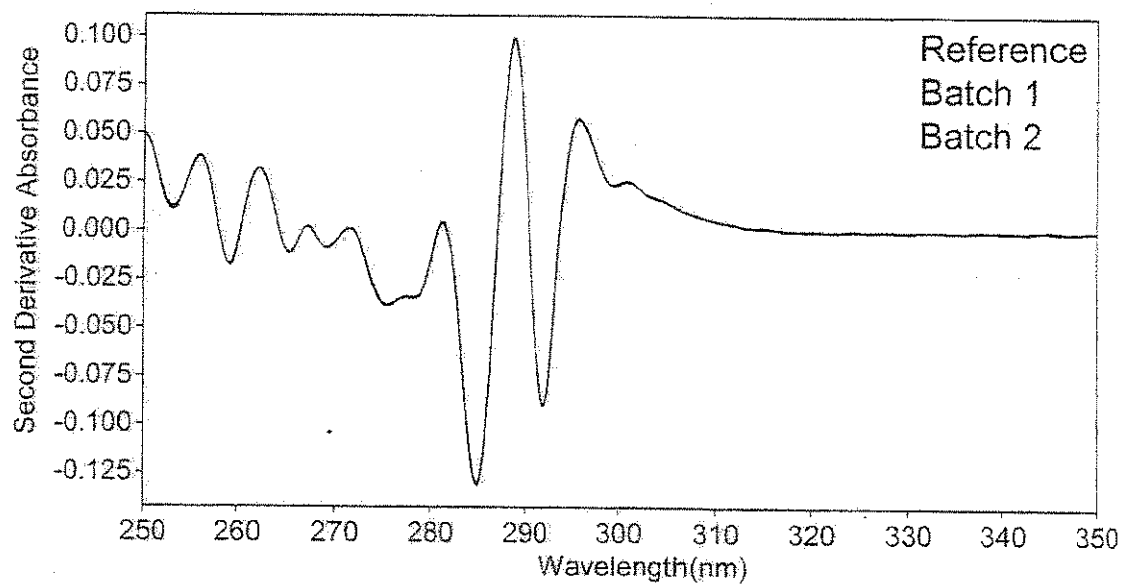


FIG. 14B

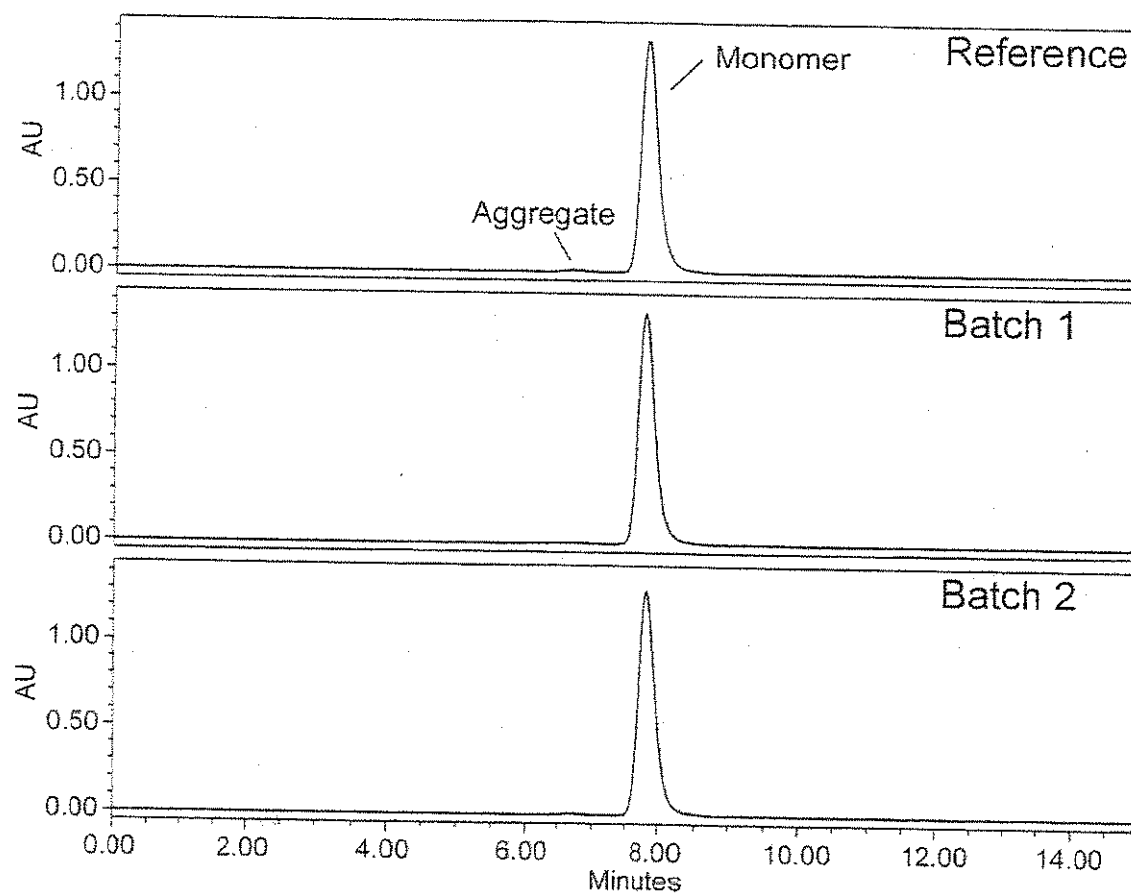


FIG. 15A

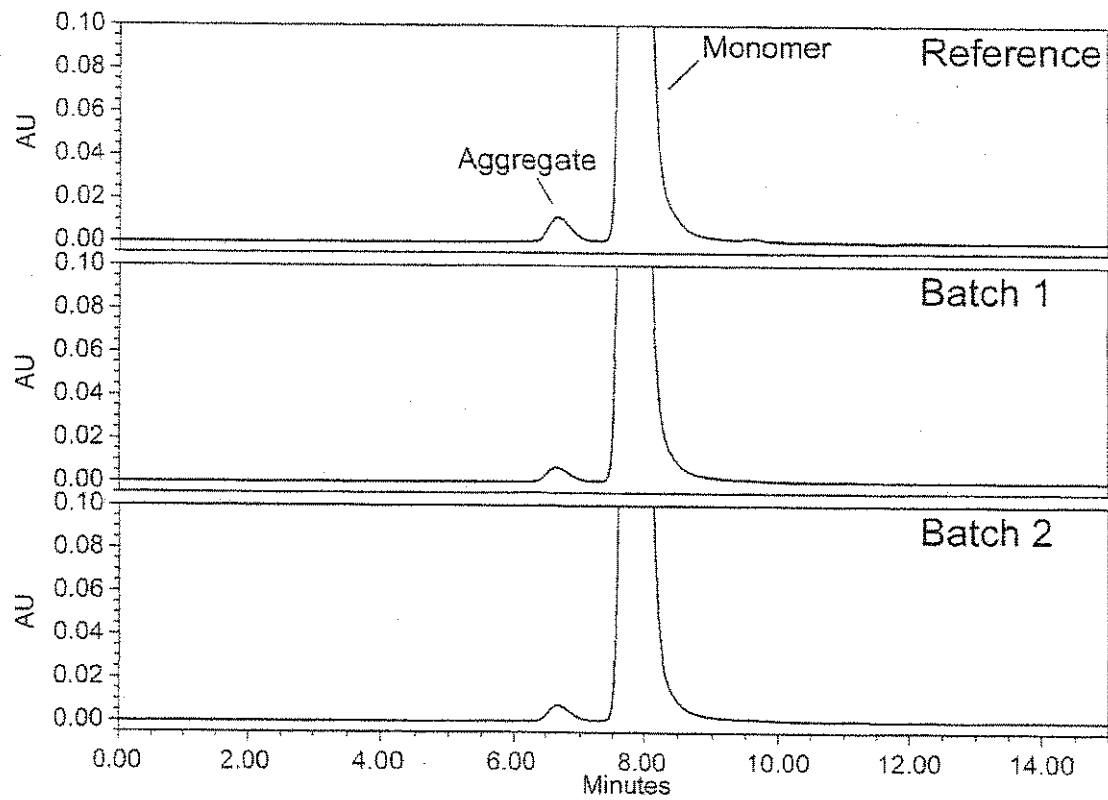


FIG. 15B

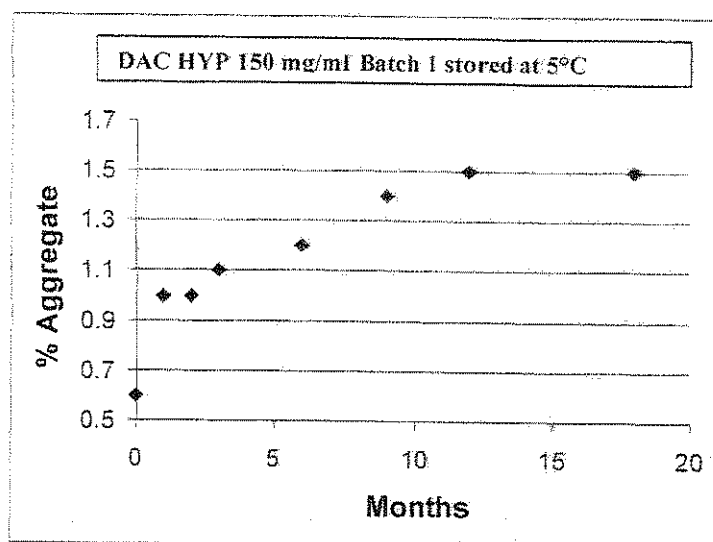


FIG. 16

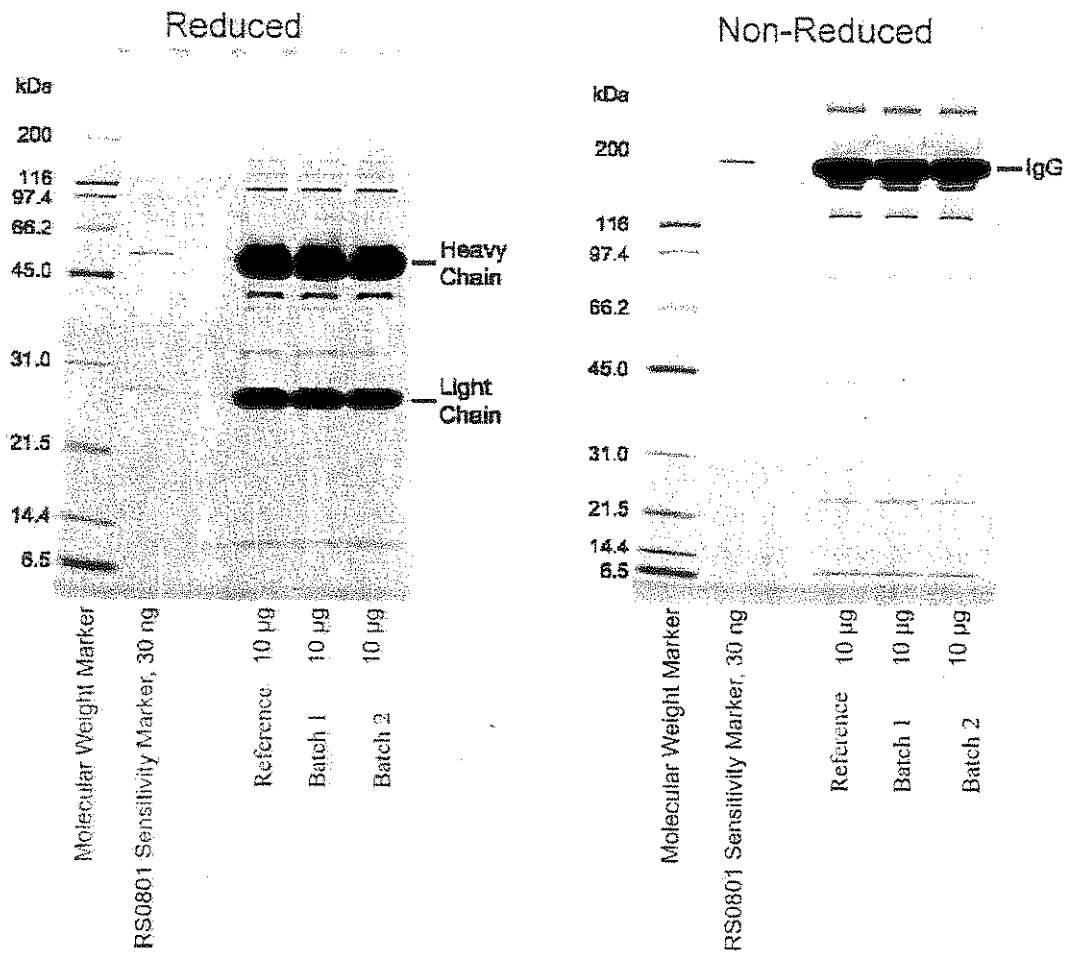


FIG. 17

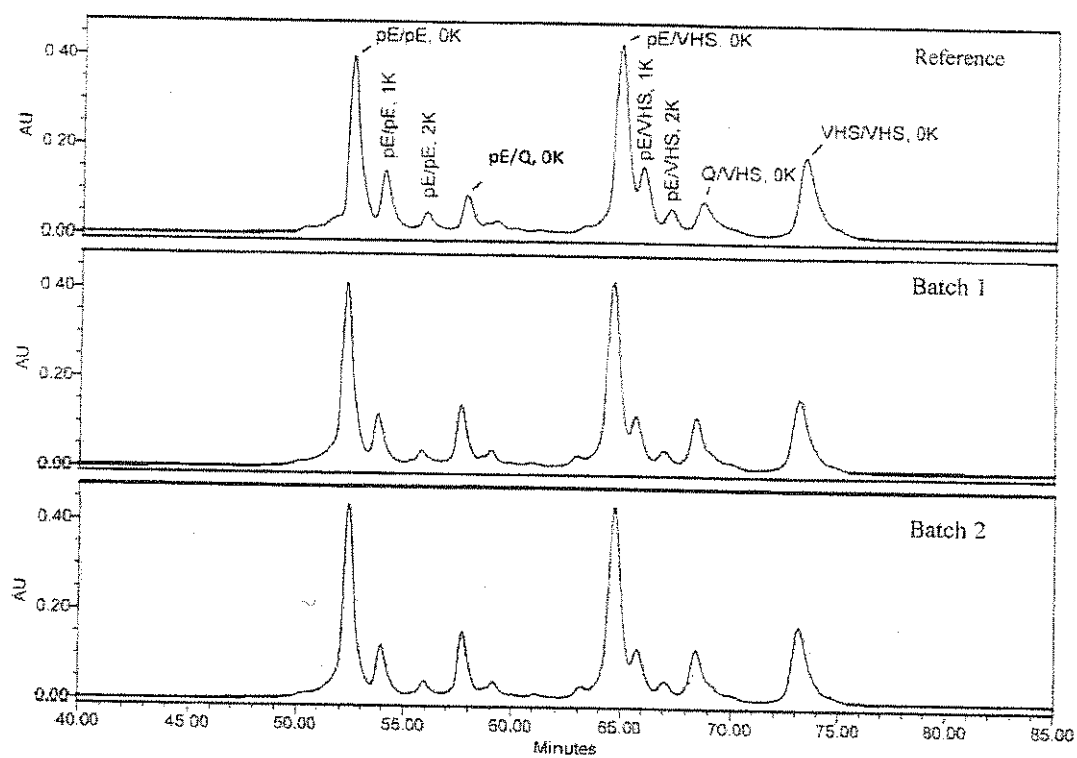


FIG. 18

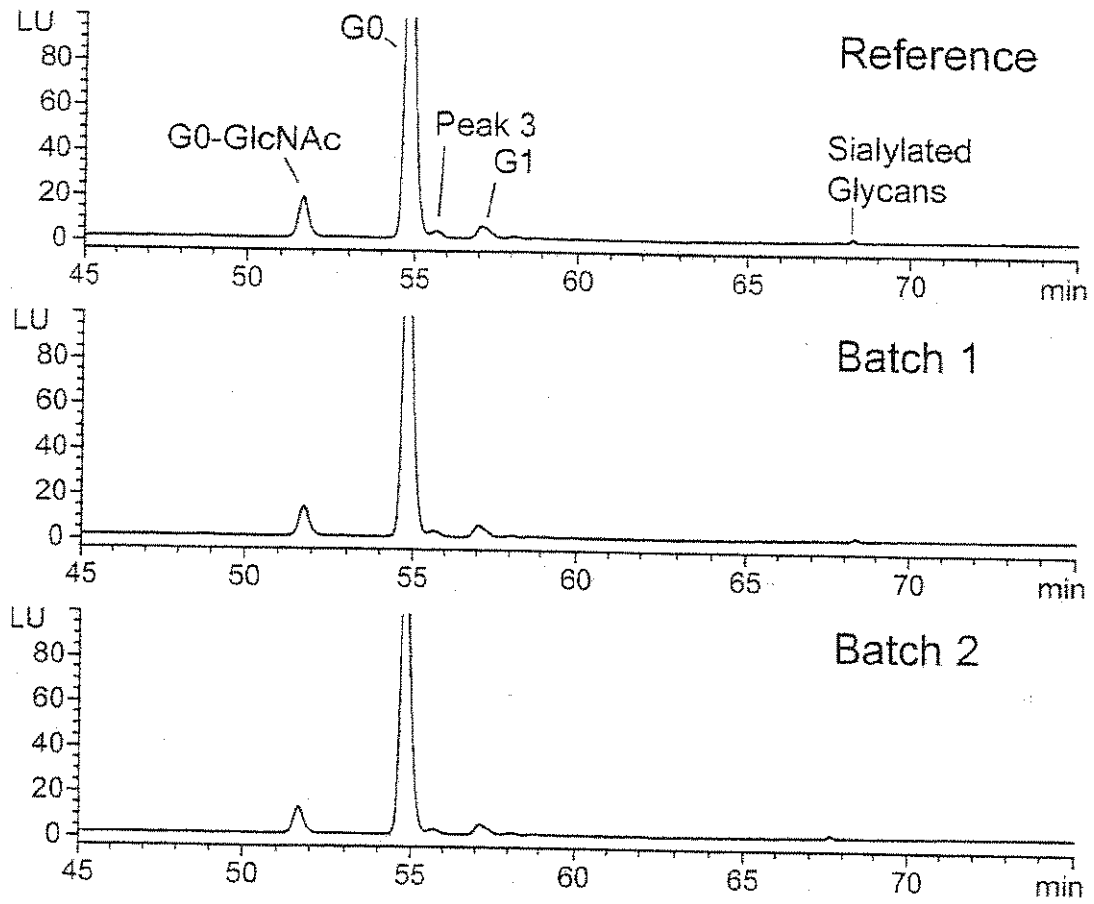


FIG. 19

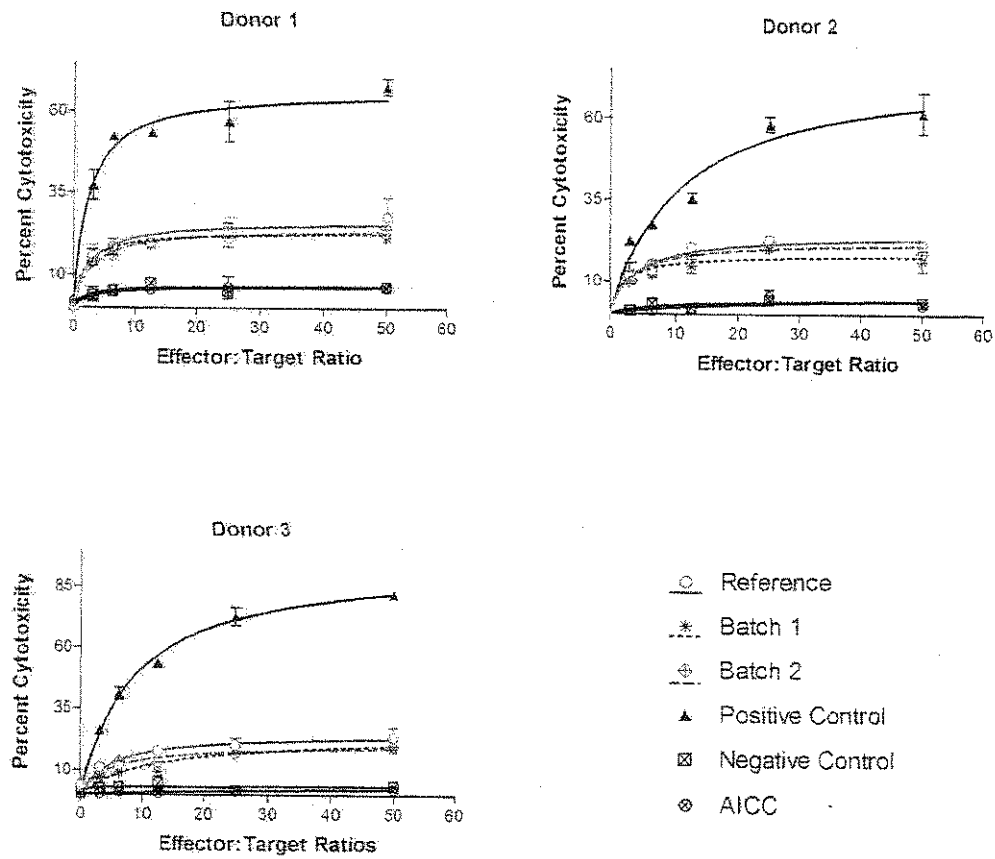


FIG. 20

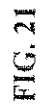


FIG. 21

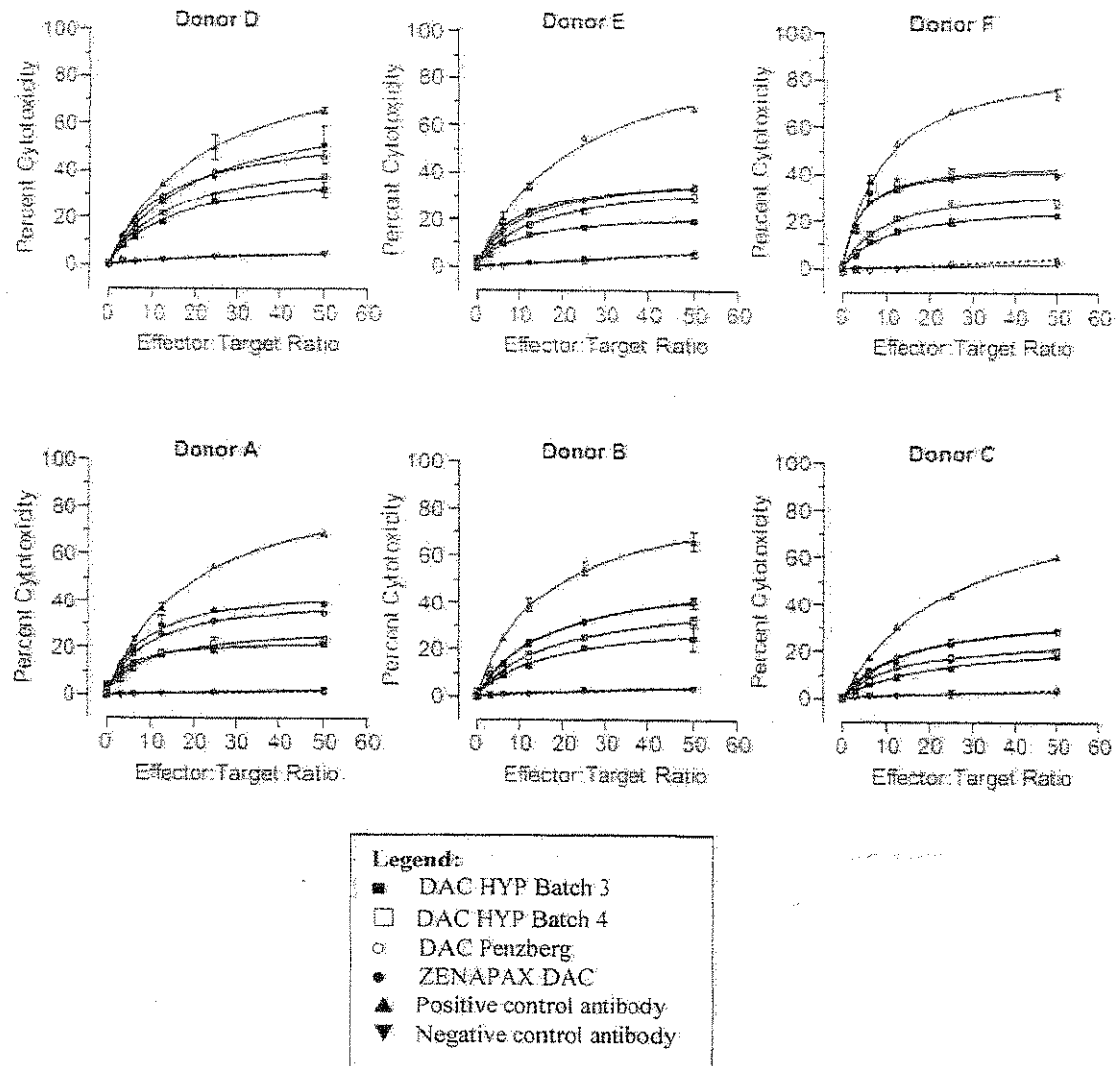


FIG. 22A

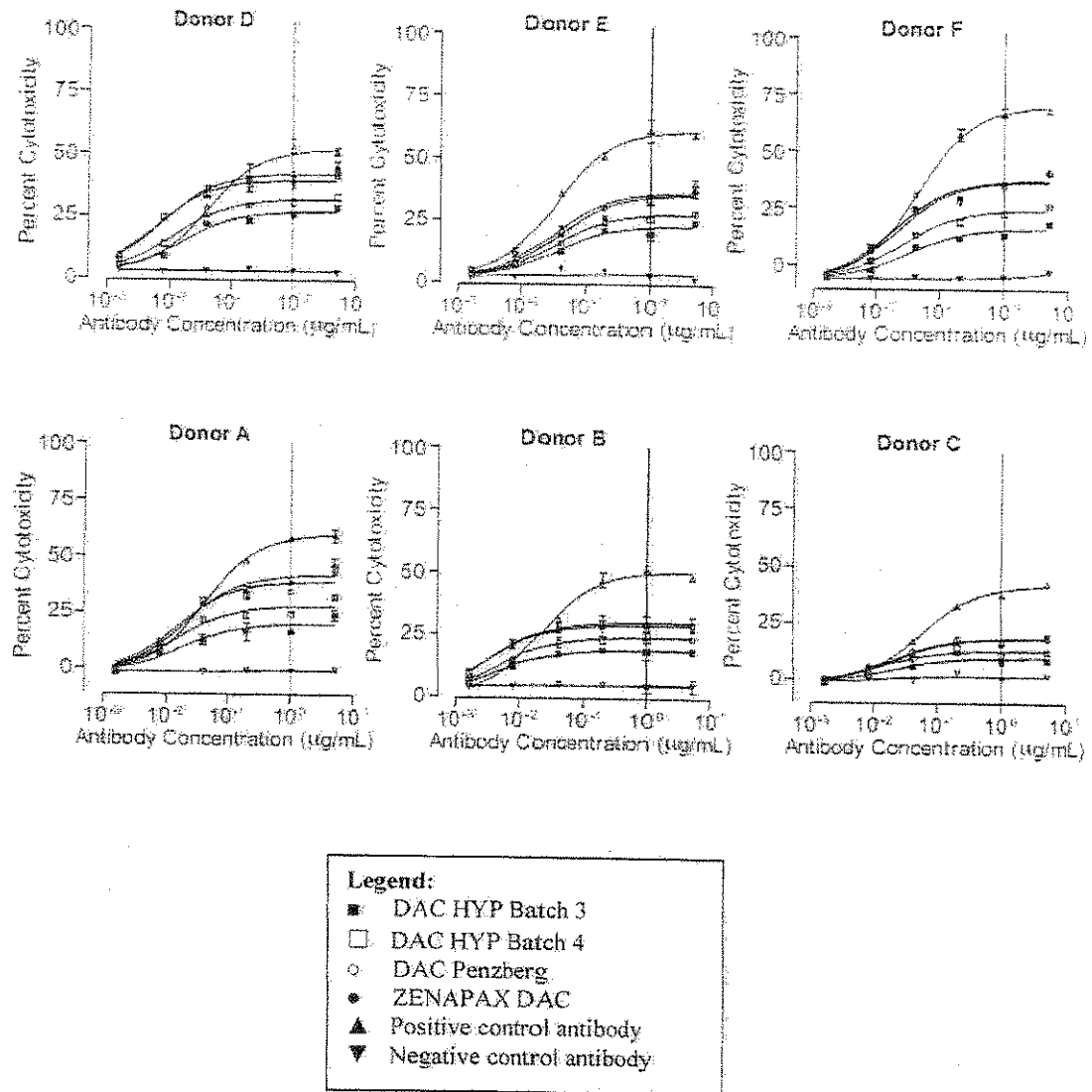


FIG. 22B

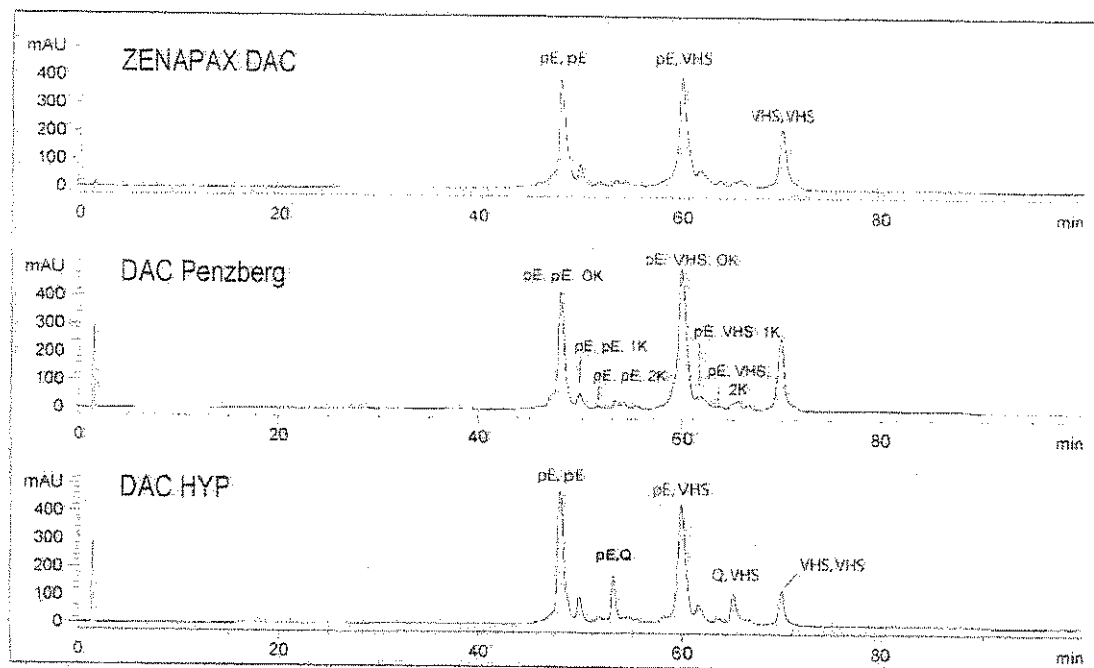


FIG. 23