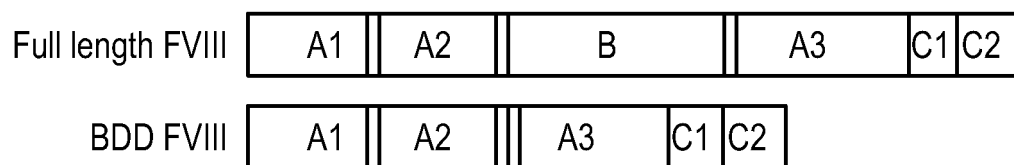


FIG. 1

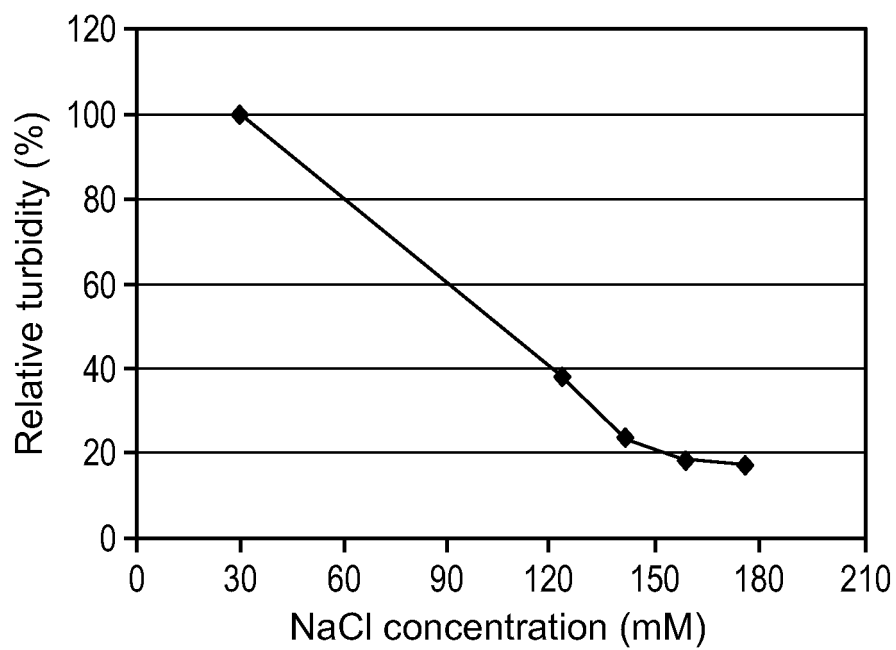


FIG. 2

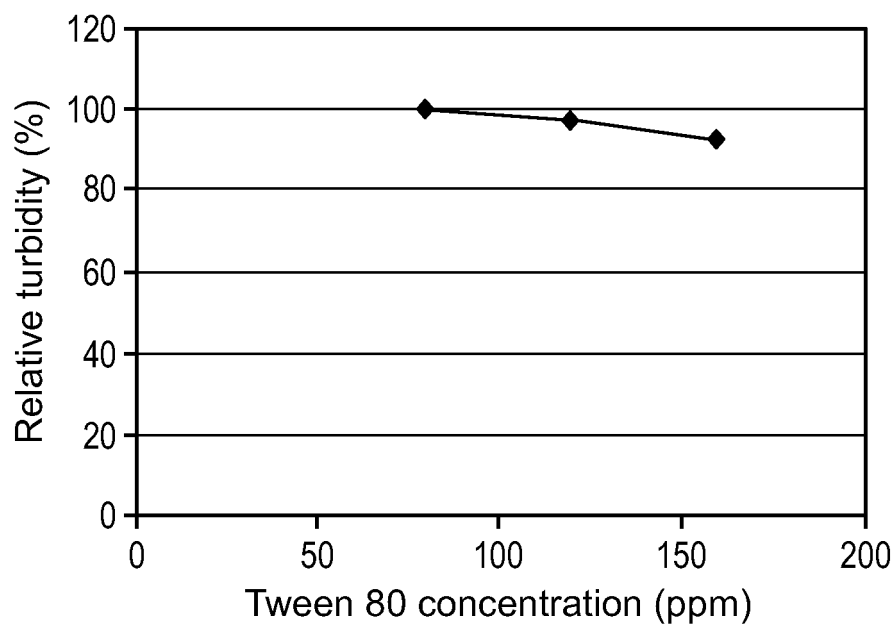


FIG. 3

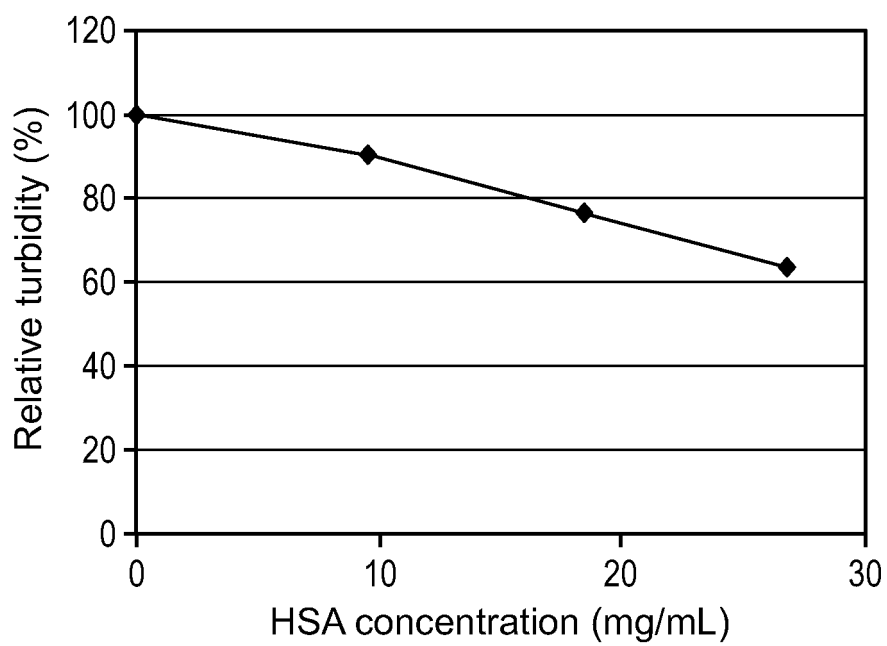


FIG. 4

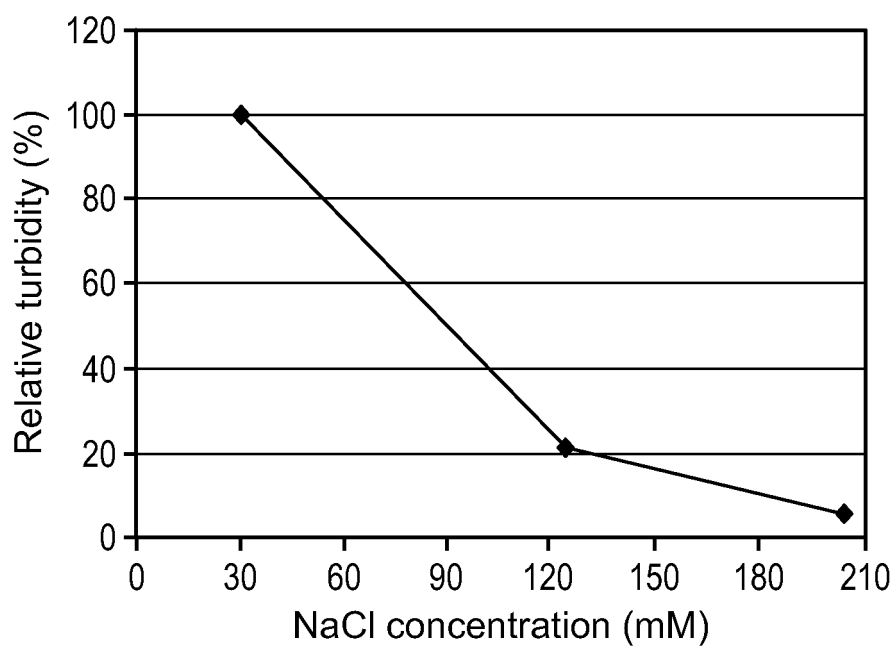


FIG. 5

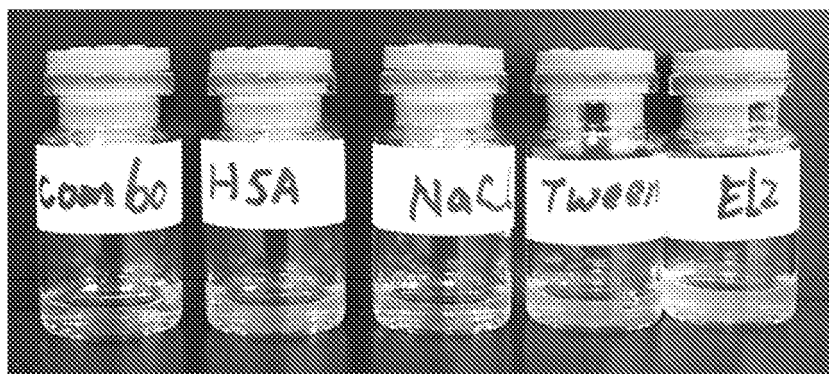


FIG. 6

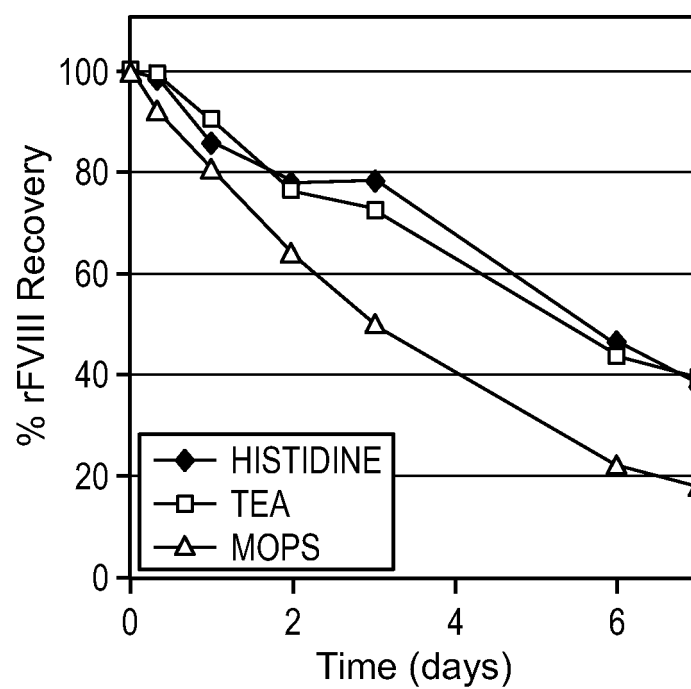


FIG. 7

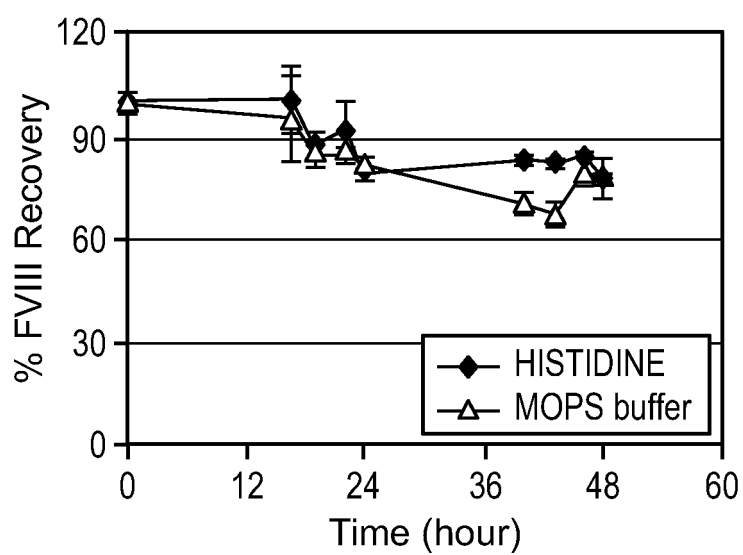
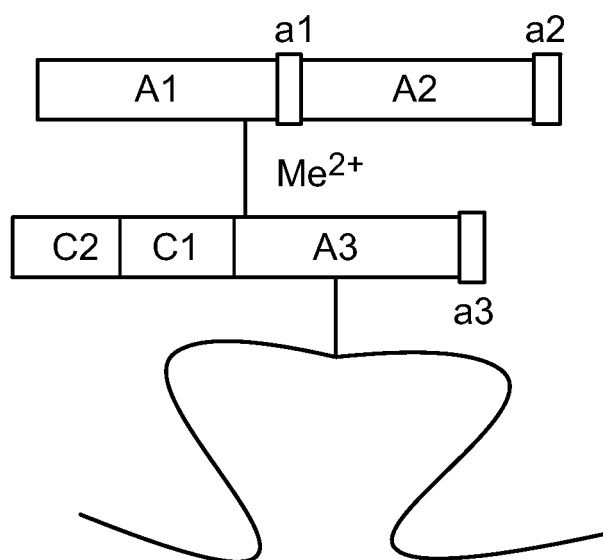


FIG. 8

FIG. 9



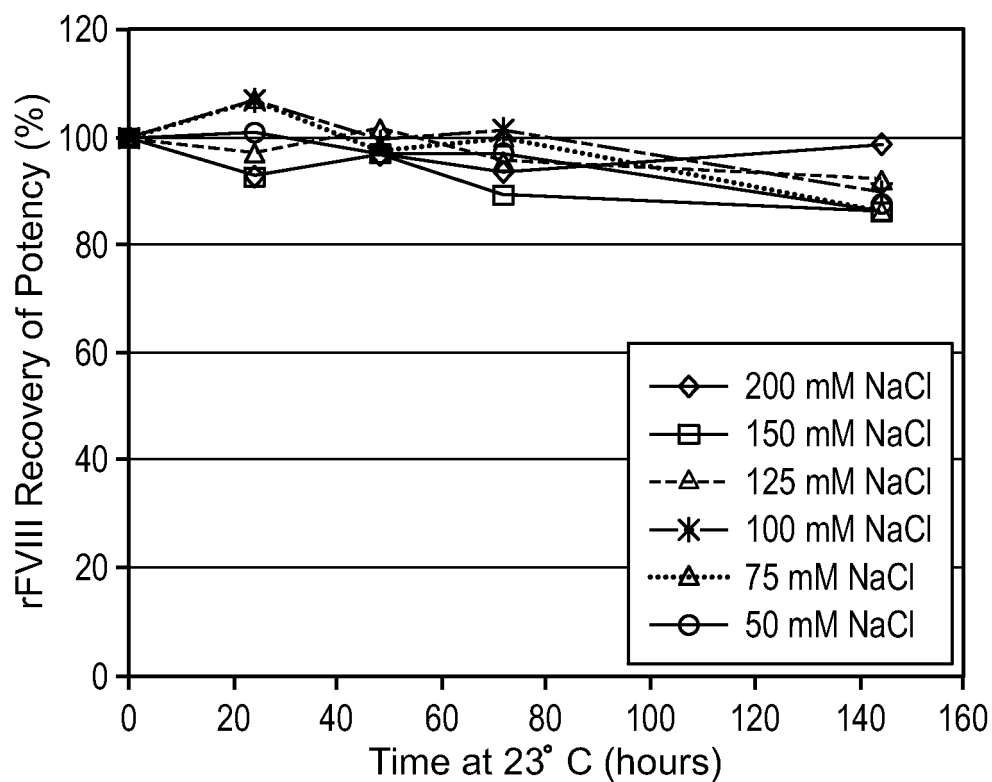


FIG. 10

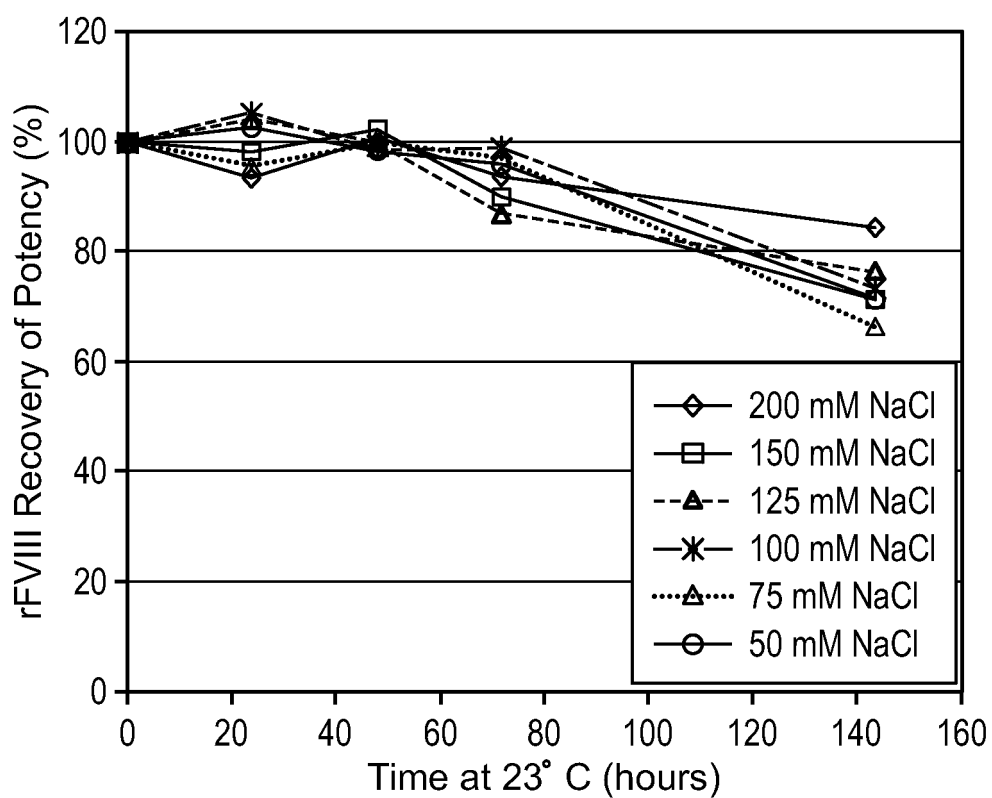


FIG. 11

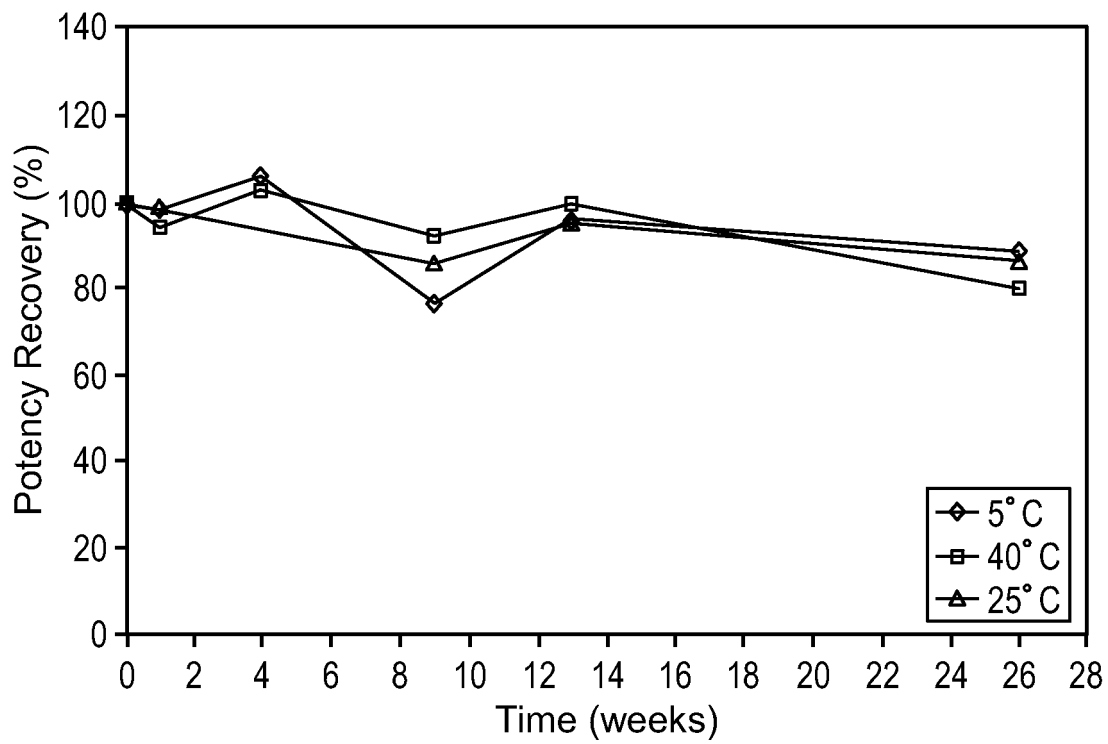


FIG. 12

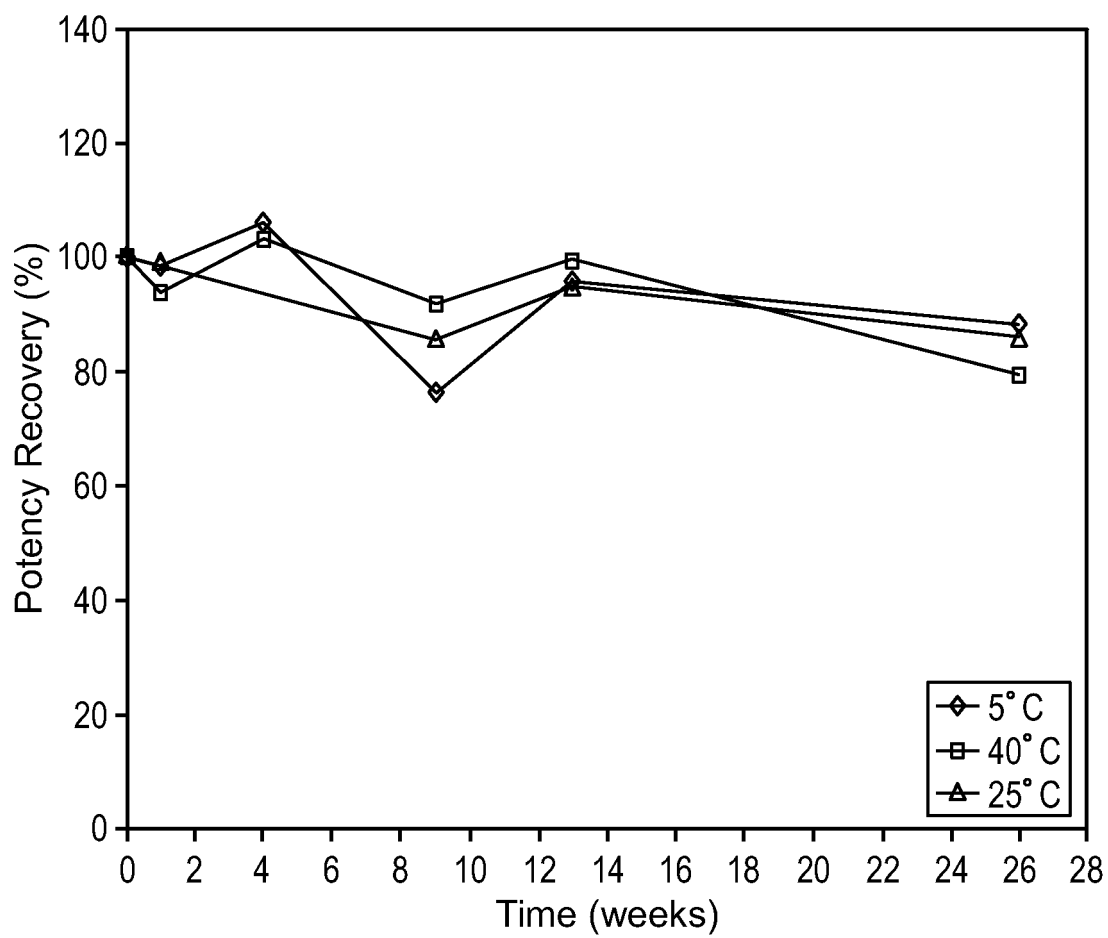


FIG. 13

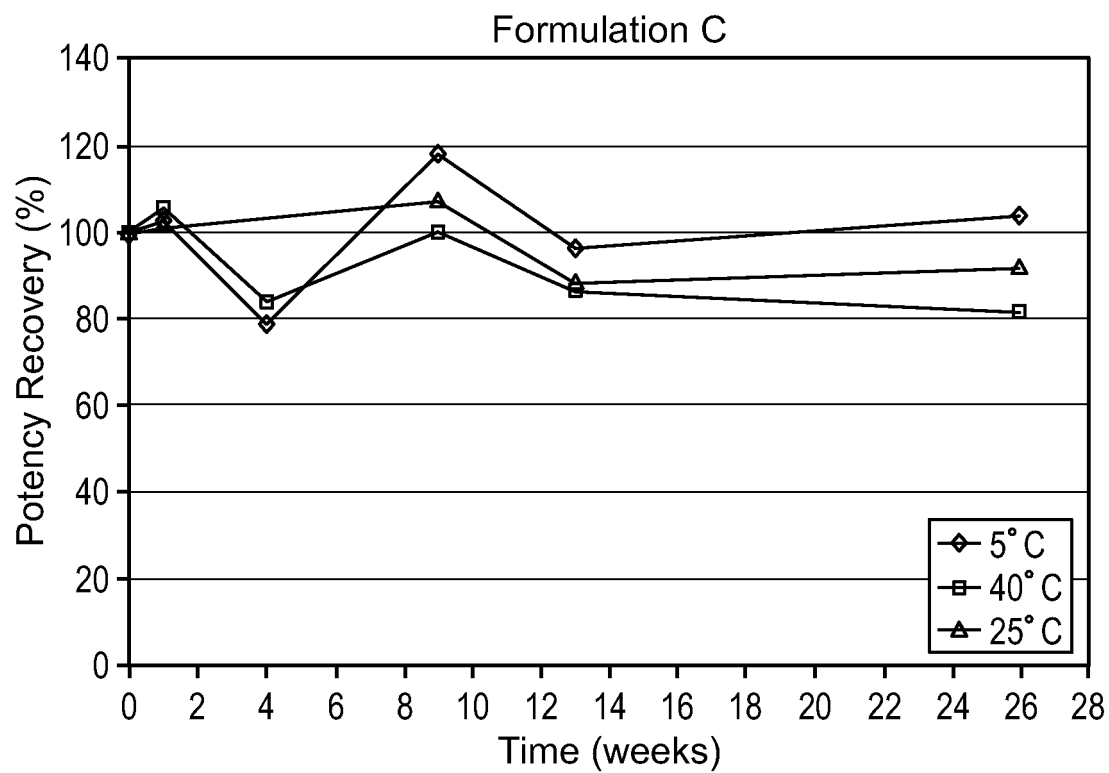


FIG. 14

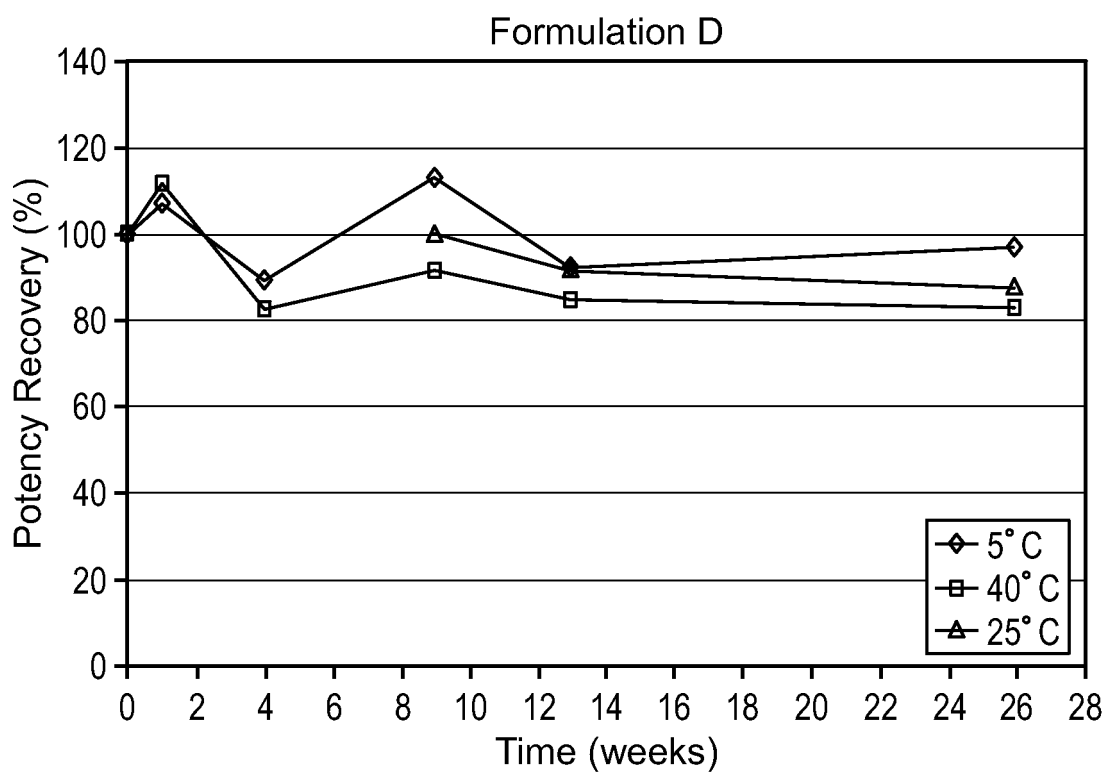


FIG. 15

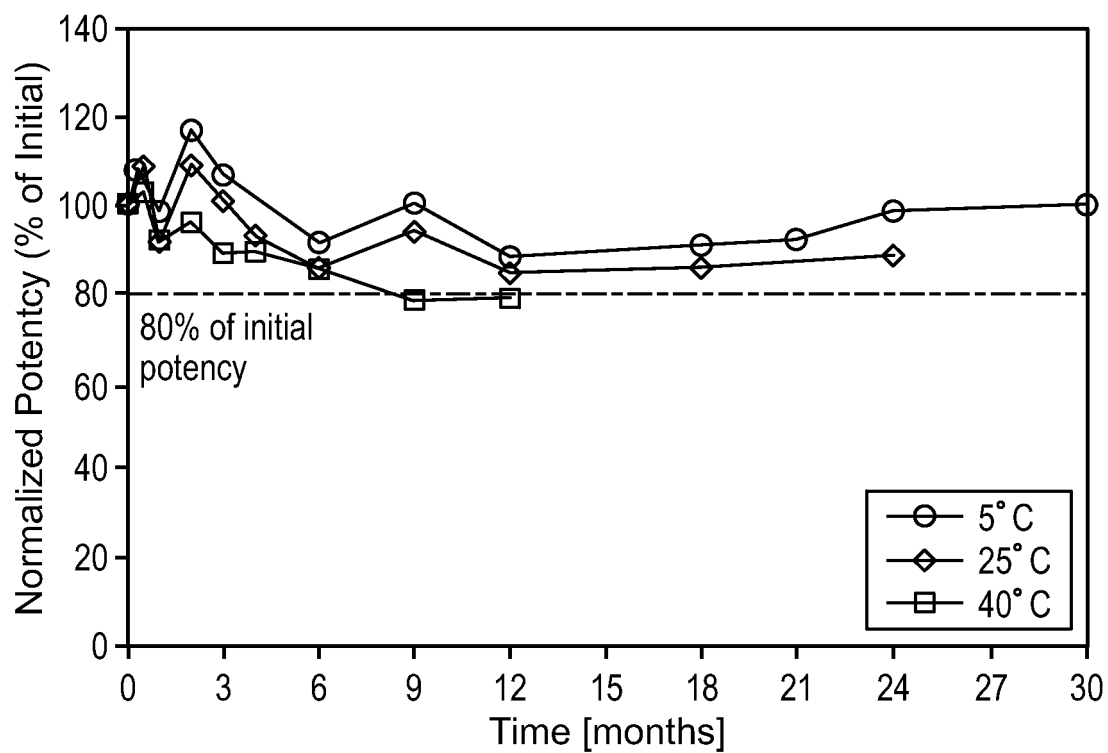


FIG. 16

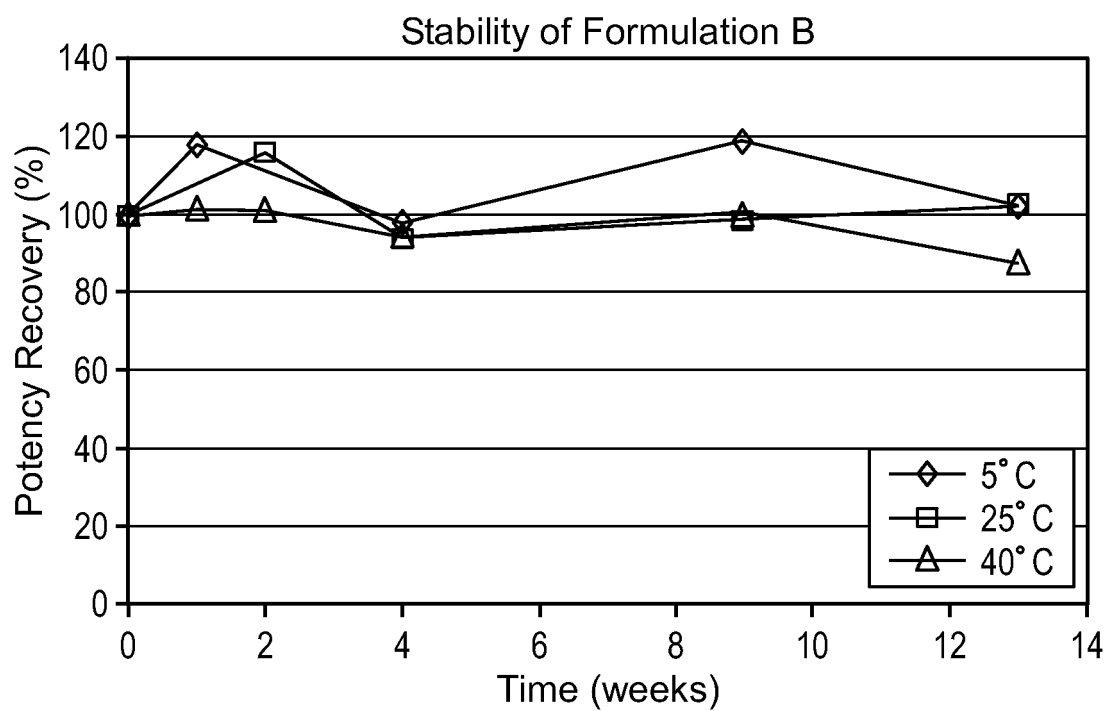


FIG. 17

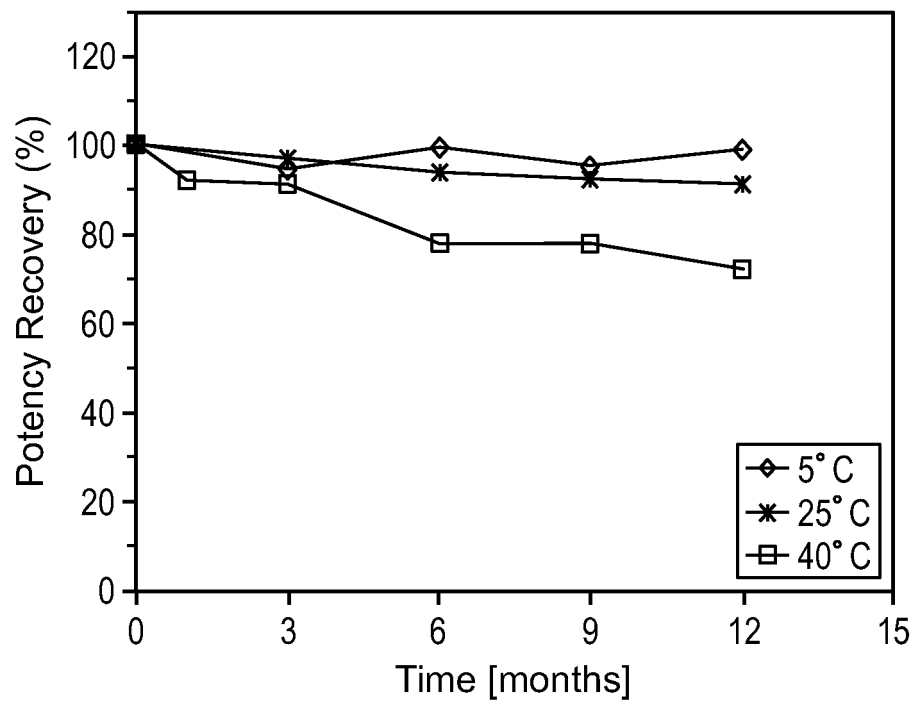


FIG. 18

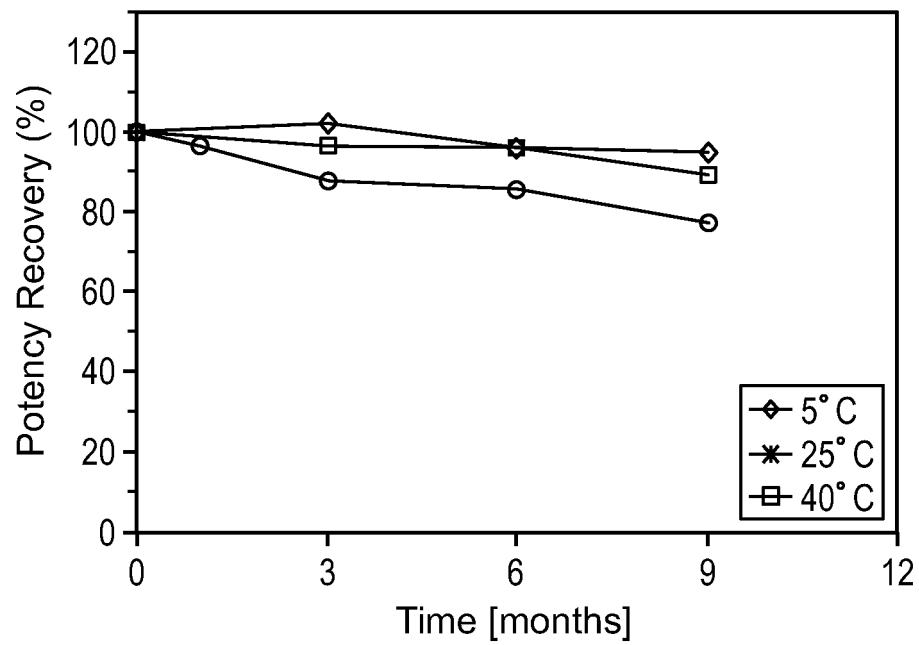


FIG. 19

FIG. 20

B-Domain Deleted SQ Human Factor VIII

Amino Acid Sequence SEQ ID NO: 3

```

1  mgielstcfff lc1llrfcfssa trryylgave lswdymqsdl gelpvdarfp prvpksfpfn
61  tsvvykktlff veftdhlfni akprppwmgl lgptiaqevy dtvvtlknm ashpvs1hav
121 gvsywkaseg aeyddqtsqr ekeddkvfpg gshtyvwqvl kengpmasdp lcltysylsh
181 vdlvkdlng ligallvcre gslakektqt lhkfillfav fdegkswhse tknslmqdrd
241 aasarawpkm htvngyvnrslpgligchrk svywhvigmg tpevhsifl eghtflvrnh
301 rqaaleispi tfltaqtllm dlqqfl1fch issqhhdgme aykvdscepe epqlrmknne
361 eaedydddltdsemdvvrfd ddnspsf1qi rsvakkhpkt wvhyaeeee dwdyap1vla
421 pddrsyksqy lnngprigr kykkvrfmay tdetftrea iqhesgilgp llygevgdtl
481 liifknqasr pyniypghit dvrplysrrl pkgvkh1kdf pilpgeifky kwtvtvedgp
541 tksdprcltr ysssfvnmerr dlasgligpl licykesvdq rgnqimsdkr nvilfsvfde
601 nrswylteni qrflpnpagv qledpefqas nimhsingyv fds1qlsvcl hevaywyils
661 igaqtdflsv ffsgytfkhk mvyedtl1tf pfsgetvfms menpglwilg chnsdfrnrg
721 mtallkvssc dkntgdyyed syedisayll sknnaieprs fsqnpplv1kr hqreitr1tl
781 qsdqeeidyd dtisvemkke dfdiydeden qsprsfqkt rhyfiaaver lwdygmsssp
841 hvlnraqsg svpqfkkvfv qeftdgsftq plyrgelneh lgllgpyira evednimvtf
901 rnqasrpysf ysslisyeed qrqgaep1rkn fvkpnetkty fwkvqhhmap tkdefdc1kaw
961 ayfsdv1lek dvhsgligpl lvchtntlnp ahgrqvtvqe falfft1fde tkswyftenm
1021 erncrapcni qmedptfken yrfhaingyi mdtlpglvma qdqrirwyll smgsnenihs
1081 ihfsghvftv rkkeykmal ynlypgvfet vemlpskagi wrvecligeh lhagmst1fl
1141 vysnkcqtp1 gmasghirdf qitasgqygq wapklar1lhy sgsinawstk epfswikvdl
1201 lapmiihgik tqgarqkfss lyisqfiimy sldgkkwqty rgnstgtlmv ffgnvdssgi
1261 khnifnppii aryirlhpth ysirstl1rme lmgcdlnscs mplgmeskai sdaqitassy
1321 ftnmfatwsp skar1hlqgr snawrpqvn1n pkewlqvdfq ktmkvtgvt1t qgvks1ltsm
1381 yvkefliss qdghqwtlff qngkvkvfqg nqdsftpvvn sldpp1ltry lrihpqswvh
1441 qialrmevlg cea1qdly

```

FIG. 21A

Human Factor VIII Amino Acid Sequence

SEQ ID NO: 1

```
1 mqielslscff lclllrfcfsa trryylgave lswdymqsdl gelpvdarfp prvpksfpfn
61 tsvvykktlf veftvhlfnl akprppwmg1 lgptiaevy dtvvitlknm ashpvs1hav
121 gvsywkaseg aeyddqtsqr ekeddkvfpg gshtyvwqv1 kengpmasdp lcltysylsh
181 vdlvkdlngs ligallvcre gslakektqt lkhfillfav fdegkshse tknslmqdrd
241 aasarawpkm htvngyvnrs lpgligchrk svywhvigmg tpevhslfl eghtflvrnh
301 rqaaleispi tfltaqtllm dlqgflfch isshqhdgme aykvdscepe epqlrmknne
361 eaedyddldt dsemdvvrfd ddnspsfiqi rsvakkhpkt wvhyaaeae dwdyaplvla
421 pddrsyksqy lnngpqrigr kykkvrfmay tdetfktrea iqhesgilgp llygevgdt1
481 liifknqasr pyniypghit dvrplysrr1 pkgvkhldkf pilpgeifky kwtvtvedgp
541 tksdprcltr yyssfvnmer dlasgligpl licykesvdq rgnqimsdkr nvilfsvfde
601 nrswylteni qrflpnpagv qledpefqas nimhsingyv fds1qlsvcl hevaywyils
661 igaqtdflsv ffsgytfkhk mvyedtltlf pfsgetvfms menpglwilg chnsdfrnrg
721 mtallkvssc dkntgdyyed syedisayll sknnaieprs fsqnsrhpst rqkqfnatti
781 pendiektdp wfahrtpmpk iqnvsssd11 mllrqspth glslsdlqea kyetfsddps
841 pgaidsnns1 semthfrpql hhsghmvftp esglqlrlne klgttaatel kkldfkvsst
901 snnlistips dnlaagtdnt sslgppsmpv hydsqldt11 fgkssplte sggpls1see
961 ndskllesg lmnsqesswg knvsstesgr lfkgrahgp alltkdnalf kvsisl1ktn
1021 ktsnnsatnr kthidgps11 ienspsvwqn ilesdtefkk vtplihdrml mdknata1r1
1081 nhmsnktts knmemvqqk egpipdaqn pdmsffkmlf lpesarwiqr thgkns1nsg
```

FIG. 21B

1141 qgpspkqlvs lgpeksvegq nflseknkv vkgfctkdv glkemvfpss rnlfltnldn
 1201 lhennthqe kkiqeeiekk etliqenvvl pqihtvtgtk nfmknlflls trqnvegsye
 1261 gayapvlqdf rslndstnrt kkhtahfskk geeenleglg nqtqkiveky acttrispnt
 1321 sqqnfvqtqs kralqqrllp leetelekri ivddtstqws knmkhltpst ltqidyneke
 1381 kgaitqspls dcltrshsip qanrsplpia kvssfpsirp iyltrvlfqd nsshlpaaasy
 1441 rkkdsgvqes shflqgakn nlsalitle mtgdqrevgs lgtsatnsvt ykkventvlp
 1501 kpdlpktsgk vellpkvhiy qkd1fptets ngspghldlv egsl1qgteg aikwneanrp
 1561 gkvpflrvat essaktpsk1 ldplawdnhy gtqipkeewk sqekspekta fkkdt1sl
 1621 nacesnhaia ainegqnkpe ievtwakqgr terlcsqnpp vlkrhcreit rttlqsdqee
 1681 idyddtisve mkkedfdiyl edenqsprsf qkktrhyfia averlwdygm sssphvlnr
 1741 aqsgsvppfk kvvfqeftdg sftqplyrge lnehlgllgp yiraevedni mvtfrnqasr
 1801 pysfysslis yeedqrqgae prknfvkpne tktyfwkvqh hmaptkdefd ckawayfsdv
 1861 dlekdvhs1 igp1lvchn tlnpahgrqv tvqefalf1t ifdetkswyf tenmerncra
 1921 pcniqmedpt fkenyrfhai ngymdtlpg lvmaqdqrir wyllsmgsne nihsihfsg
 1981 vftvrkkey kmalynlypg vfetvemlps kagiwrvec1 ige1lhagms t1flvysnkc
 2041 qtplgmasgh irdfqitasg qygqwapkla rlhysgsina wstkepfswi kvdl1apmii
 2101 hgiktqgarq kfsslyisqf iimysldgk1 wqtyrgnstg tlmvffgnvd ssgikhnifn
 2161 ppiaryir1 hpthysirst lrmelmgcd1 nscsmplgme skaisdaqit assyftnmfa
 2221 twspskarlh lqgrsnawrp qvnnpkewlq vdfqktmkvt gvt1qgvks1 ltsmyvkef1
 2281 isssqdghqw t1ffqngkvk vfqgnqdsft pvvnsl1pp1 ltrylrihpq swvhqialrm
 2341 evlgceaqd1 y