

FIG. 1A

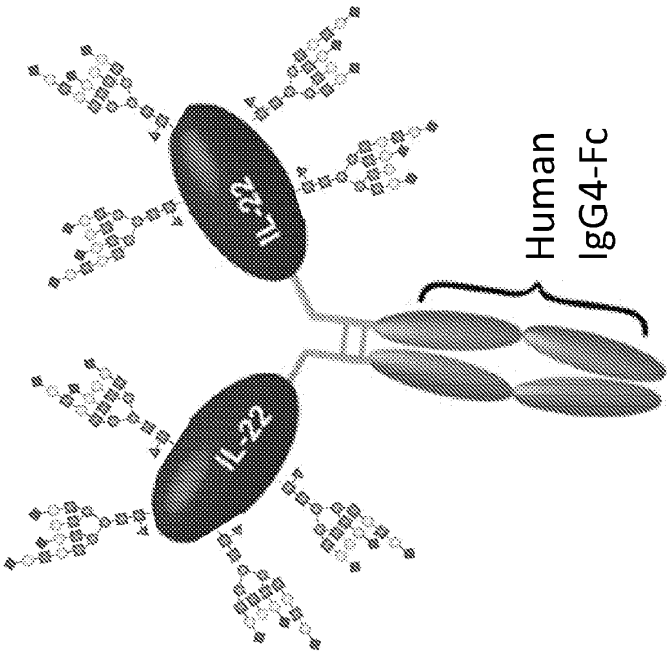


FIG. 1B

1 10 20 30 40 50 60
| | | | | | |
APIS~~S~~HCRLD**K**SNF**Q****Y**IT**NR**T**F**MLAK**E**ASLAD**NN****T**D**VRL**IG**E**KL**F**HG**V**SM**S**ERC**Y**LM**K**
70 80 90 100 110 120
| | | | | | |
QVL**N****F**T**L**EE**V**LF**P**QSD**R**F**Q**P**Y**M**Q**E**V**PF**L**AR**L**SN**R**L**S**T**C**H**I**E**G**DD**L**H**I**Q**R**N**V**Q**K**L**K**D**T**V**K**
130 140
| | | |
KL**G**ES**G**E**I****K**A**I**G**E**LD**L**LL**F**MS**L****R****N****N****A**C**I**

FIG. 1C

1 10 20 30 40 50 60
| | | | | | | | | |
RVESKYGPPCPPCPAPEFLGGPSVFLFPPKPKD^TLMISRTPEVTCVVVDVSQEDPEVQEN

 70 80 90 100 110 120
| | | | | | | | | |
WYVDGVEVHNAKTKPREEQFGSTYRVVSVLTVLHQDWLNGKEYKCKVSNKGLPSSIEKTI

 130 140 150 160 170 180
| | | | | | | | | |
SKAKGQPREPQVYTLPPSQEEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYK^TTPP

 190 200 210 220 230
| | | | | | | | |
VLDSDGSFFLYSRLTVDKSRWQEGNVFSCSVMH^EALHNHYTQKSLSLGLGK

FIG. 2A

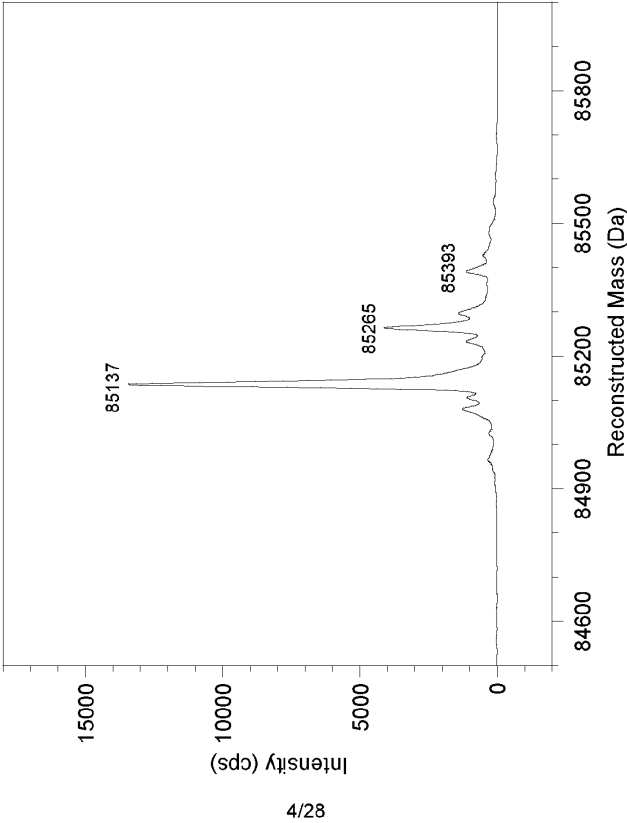


FIG. 2B

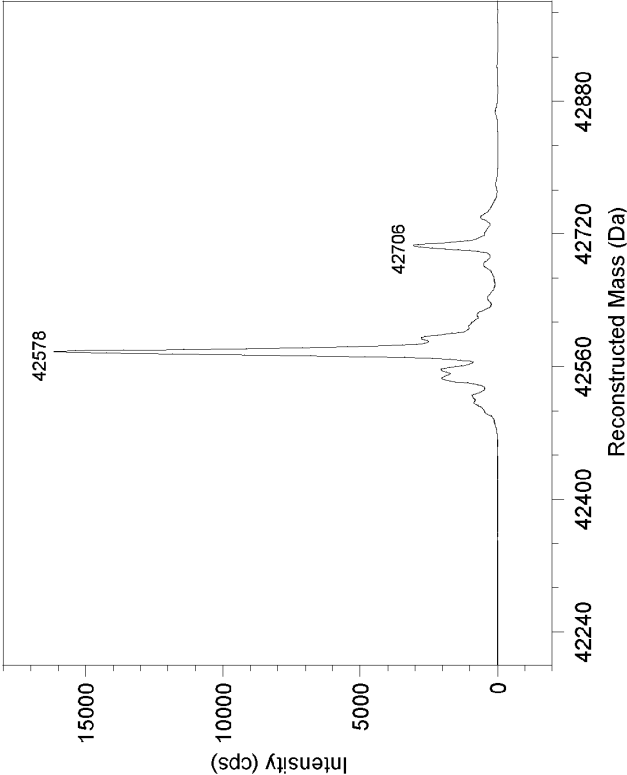


FIG. 3A

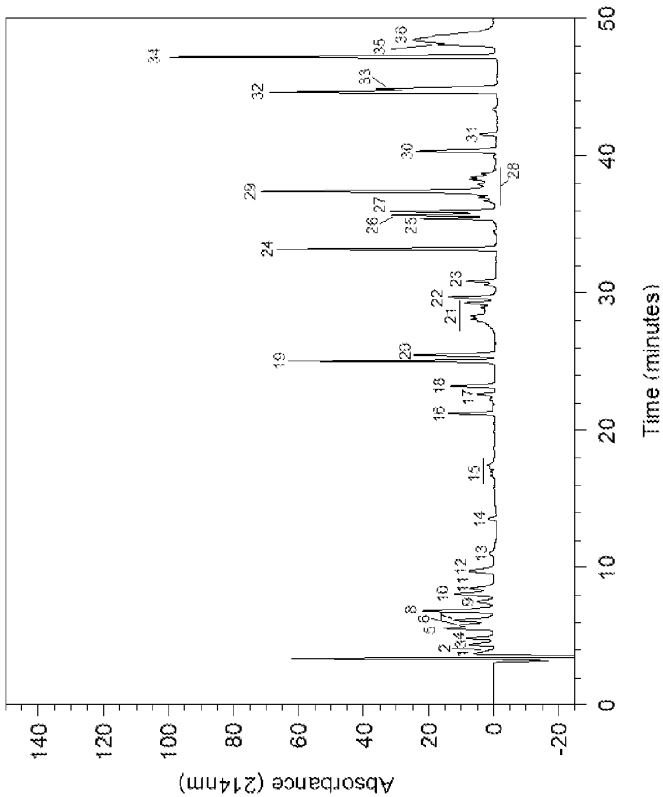


FIG. 3B

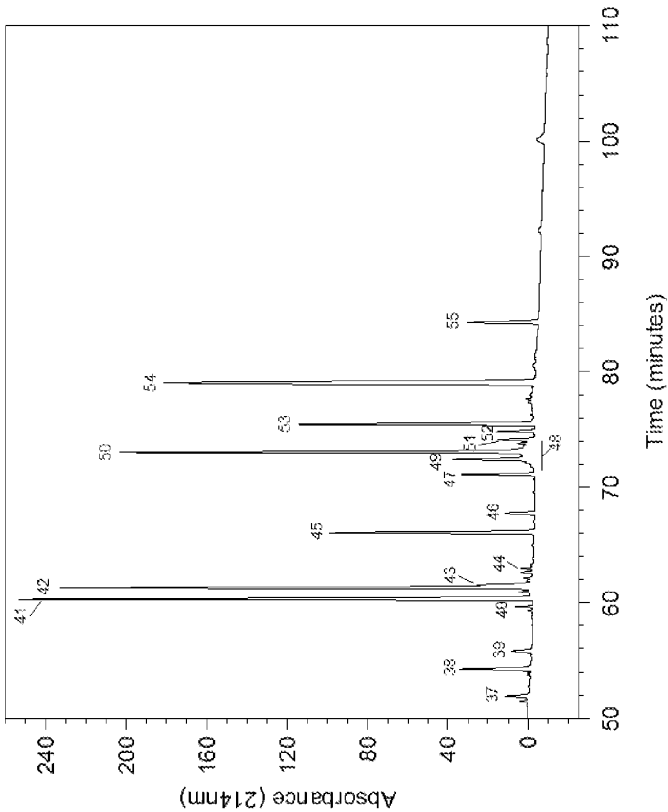


FIG. 3D

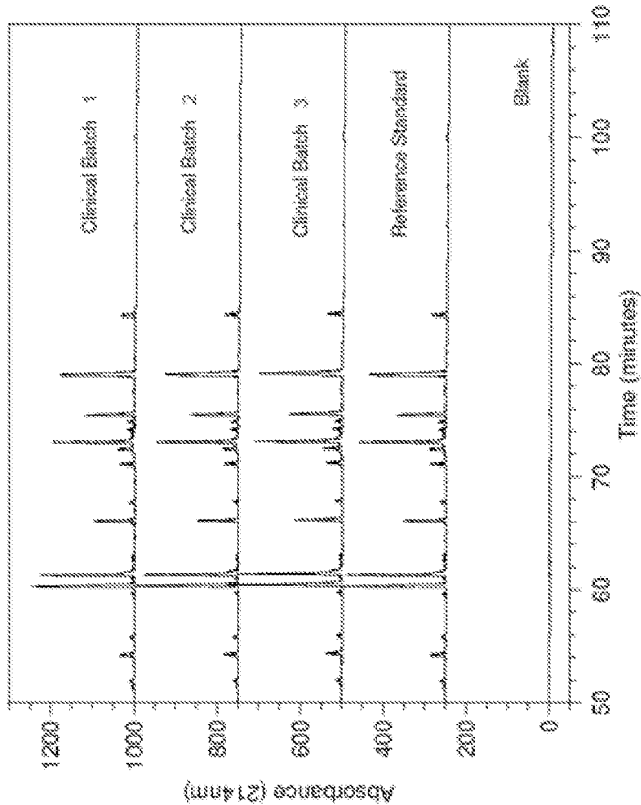


FIG. 3C

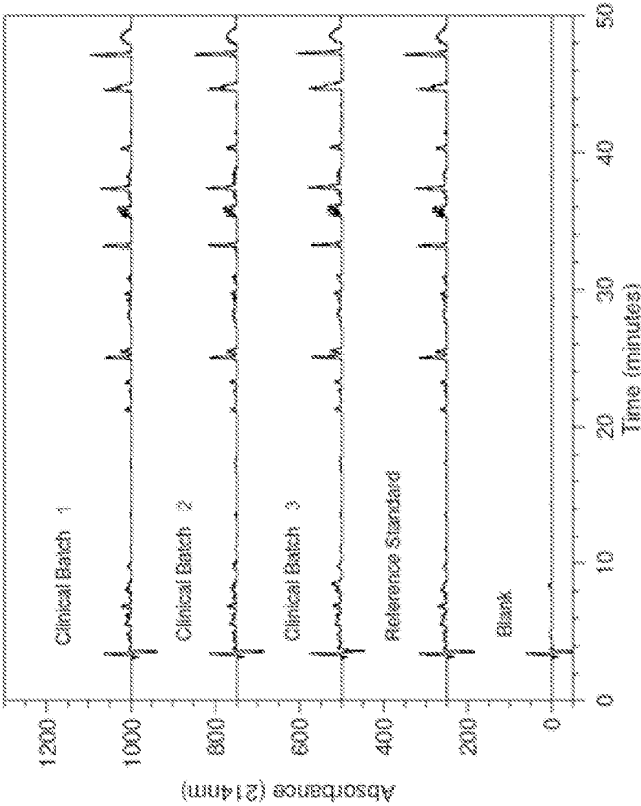


FIG. 4A

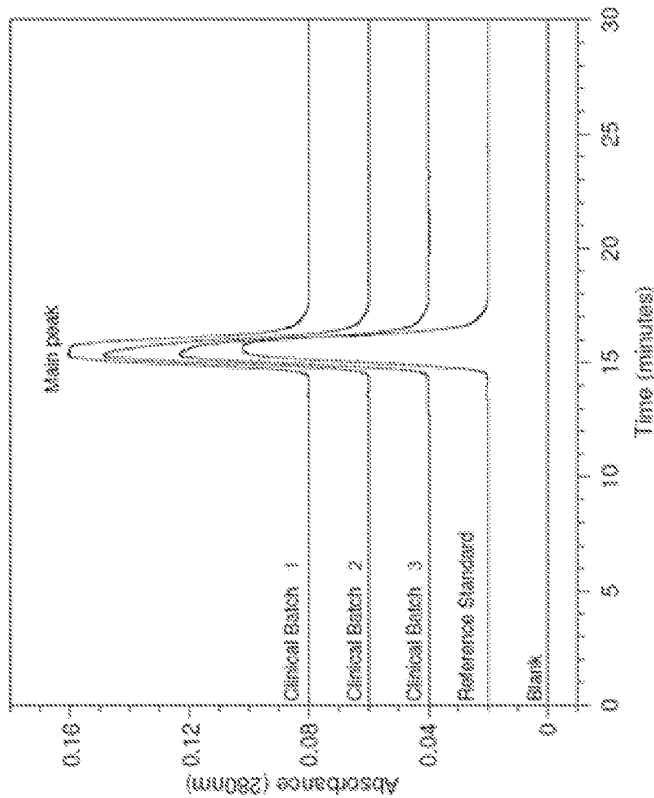


FIG. 4B

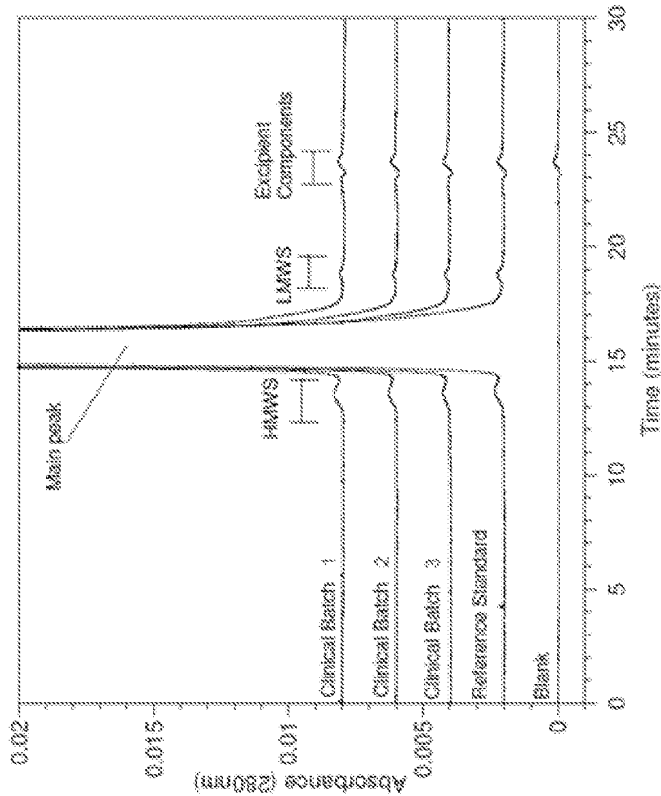


FIG. 5A

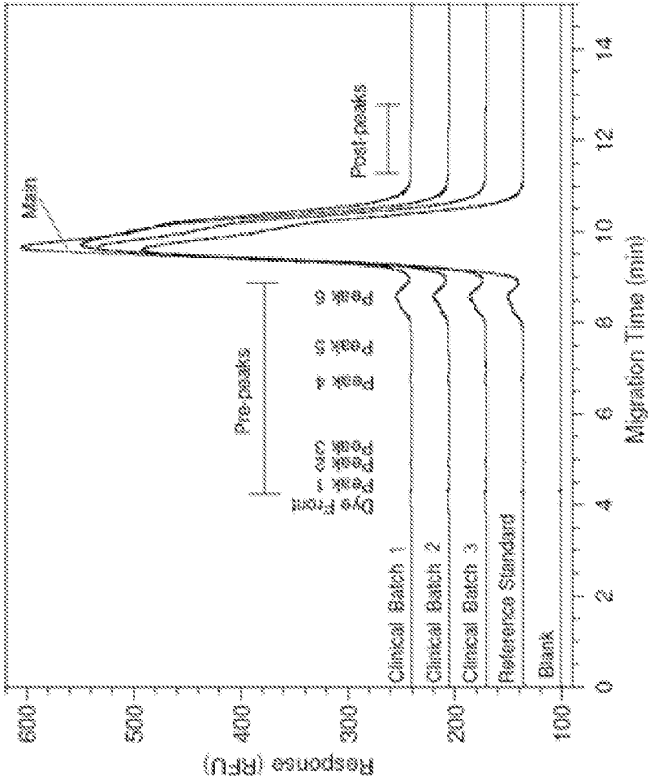


FIG. 5B

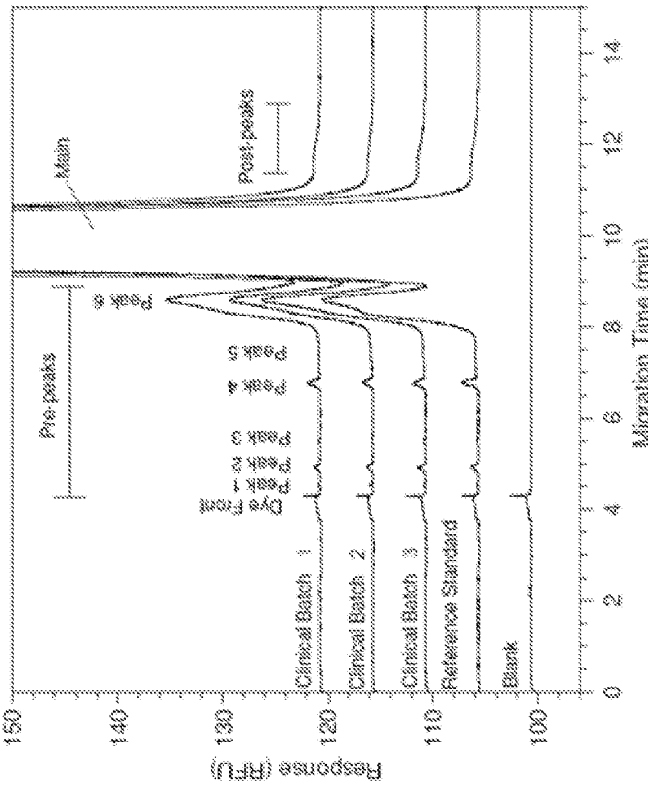


FIG. 5D

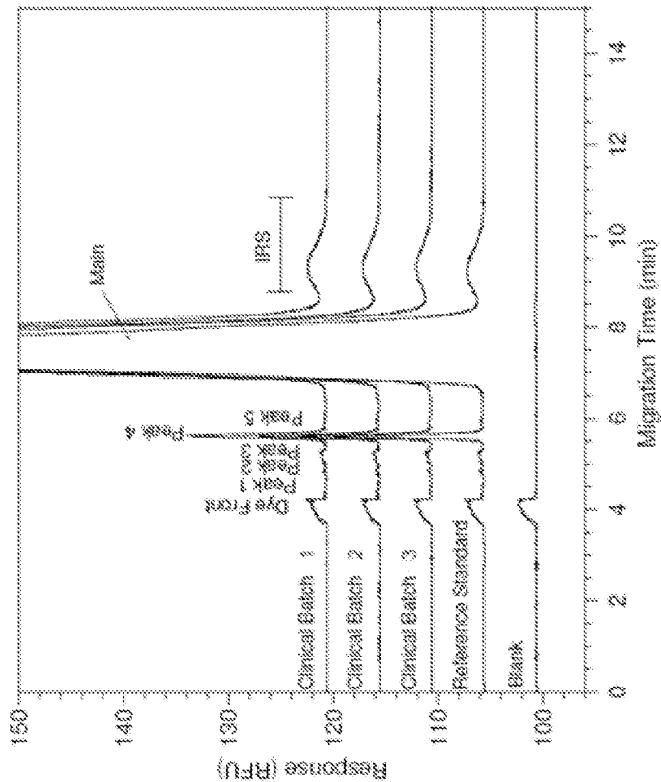


FIG. 5C

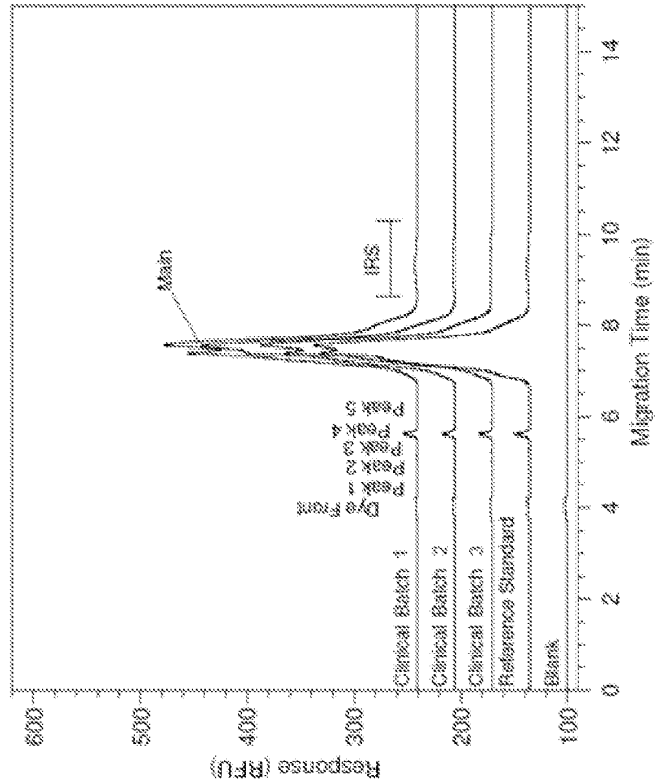


FIG. 6B

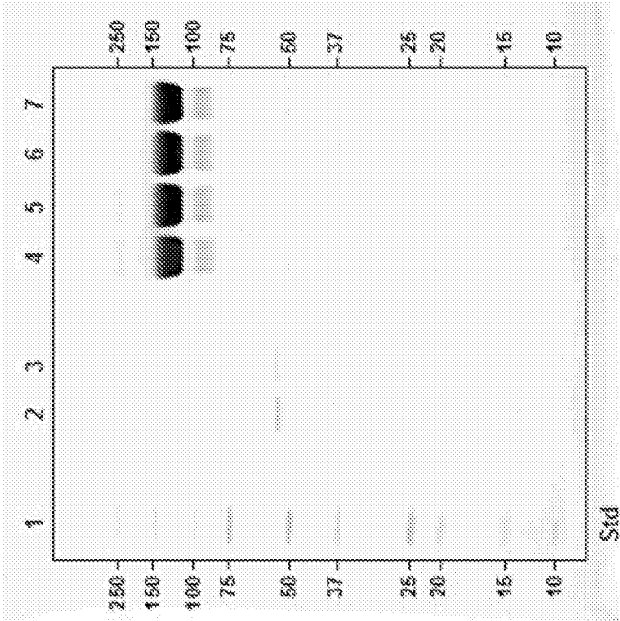


FIG. 6A

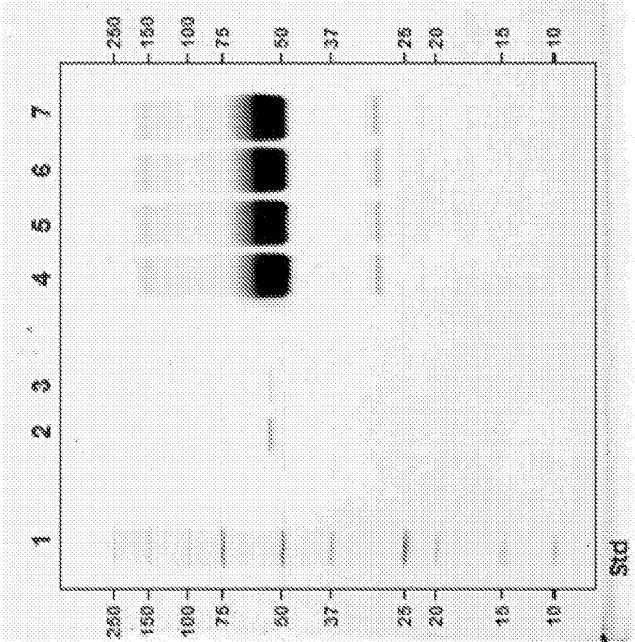


FIG. 7B

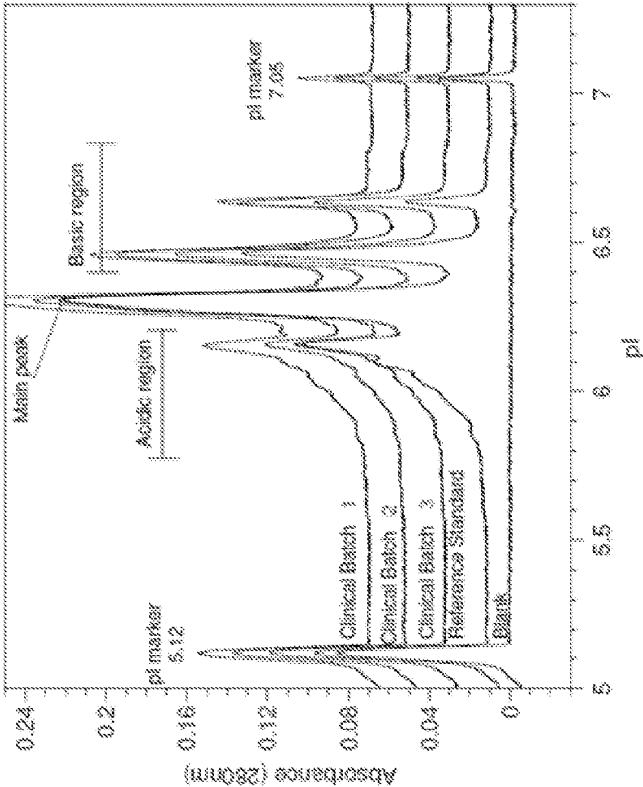


FIG. 7A

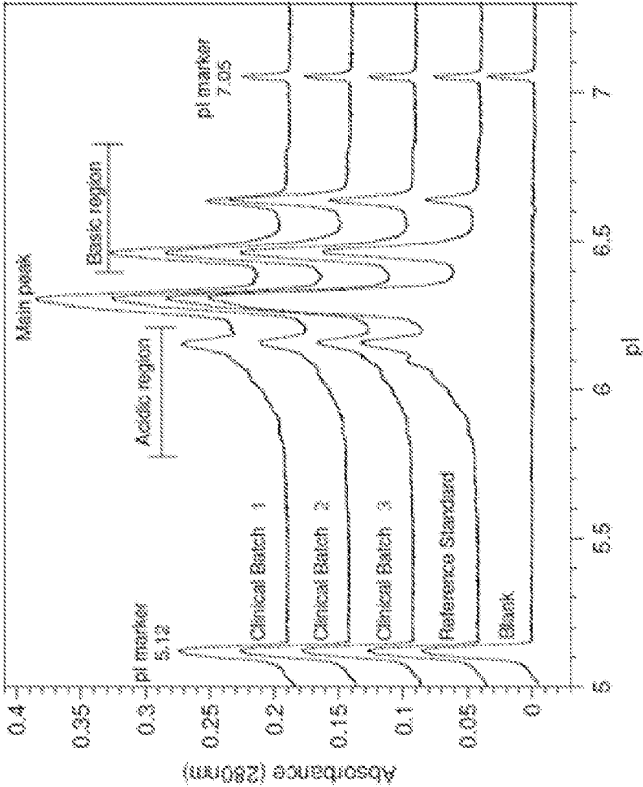


FIG. 7D

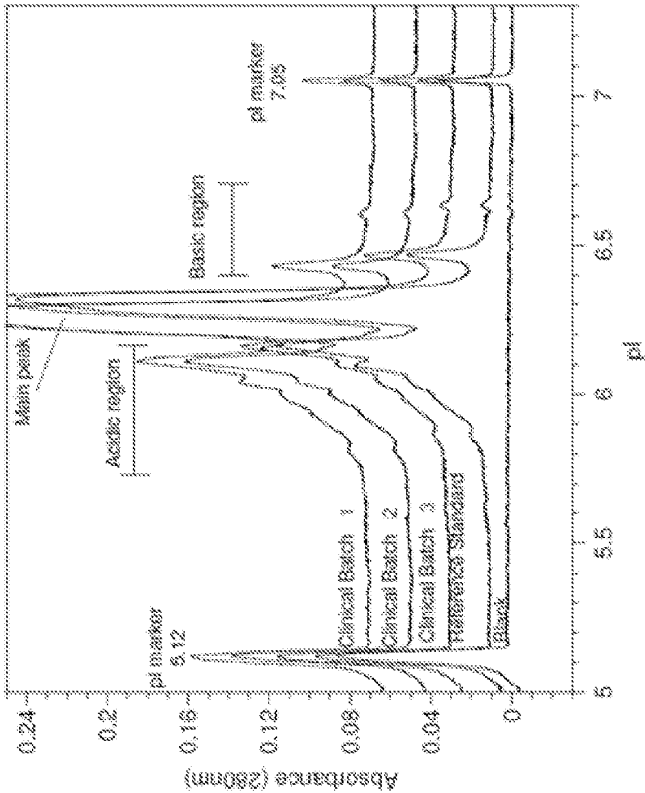


FIG. 7C

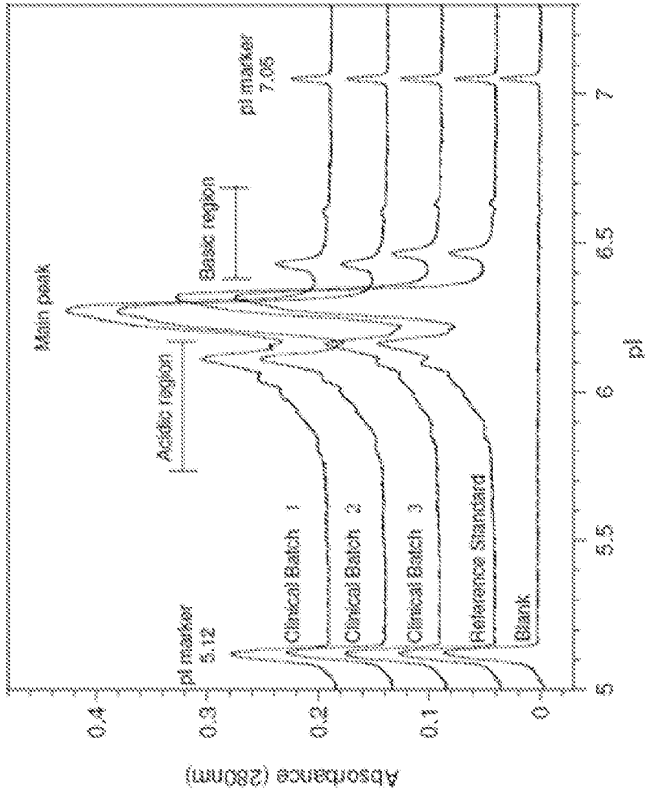


FIG. 7E

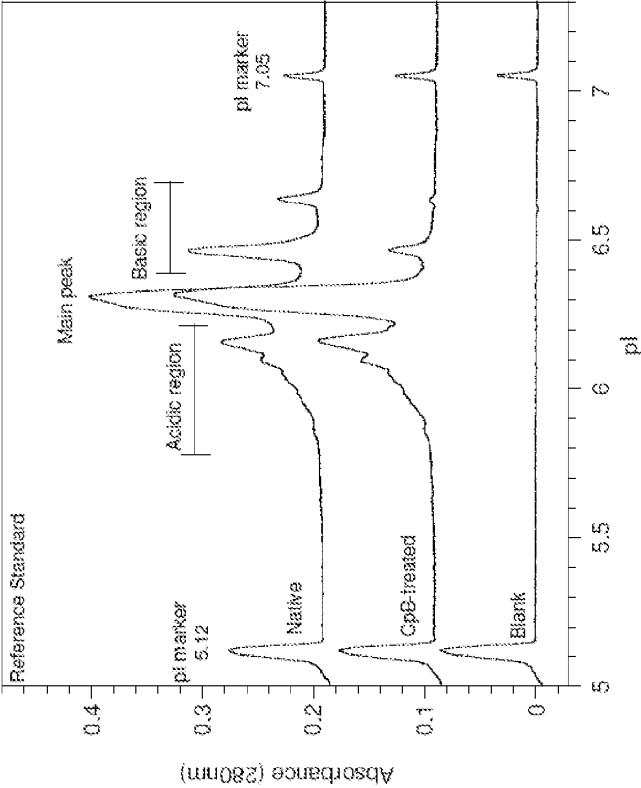


FIG. 8B

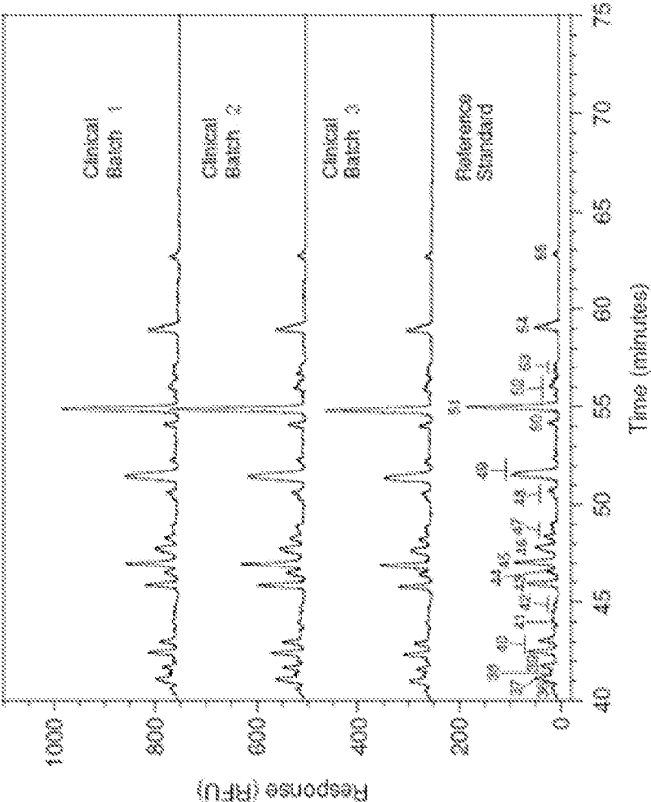


FIG. 8A

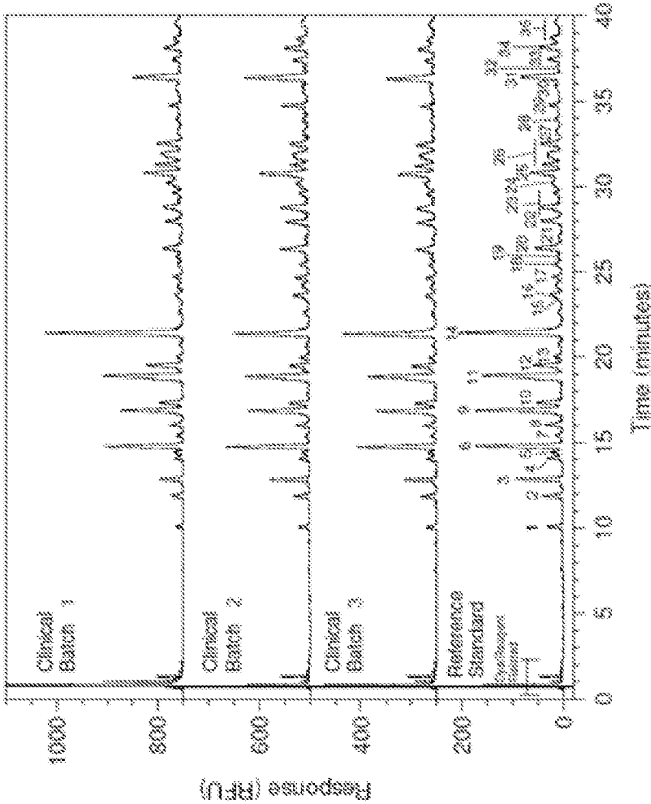


FIG. 8C

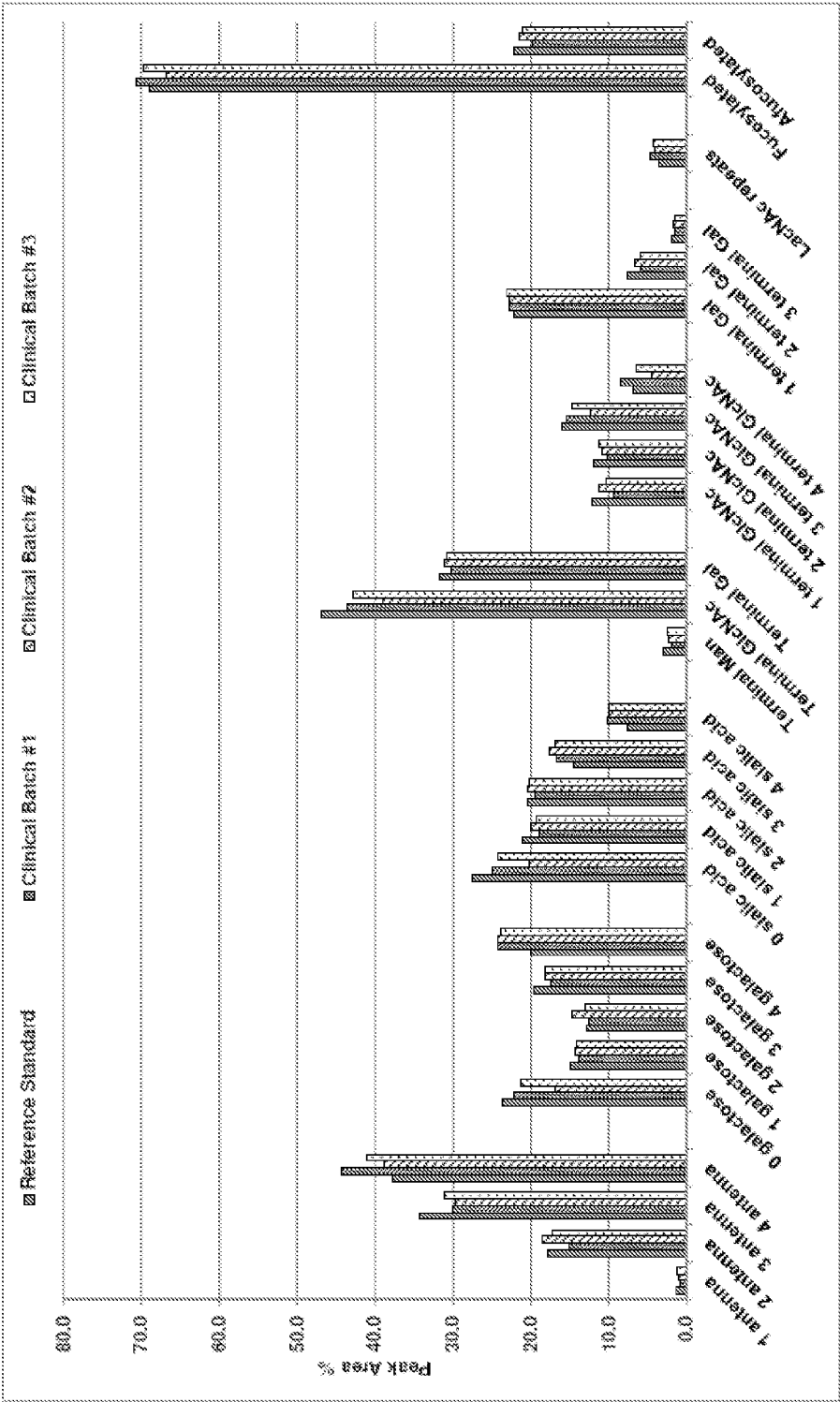


FIG. 8D

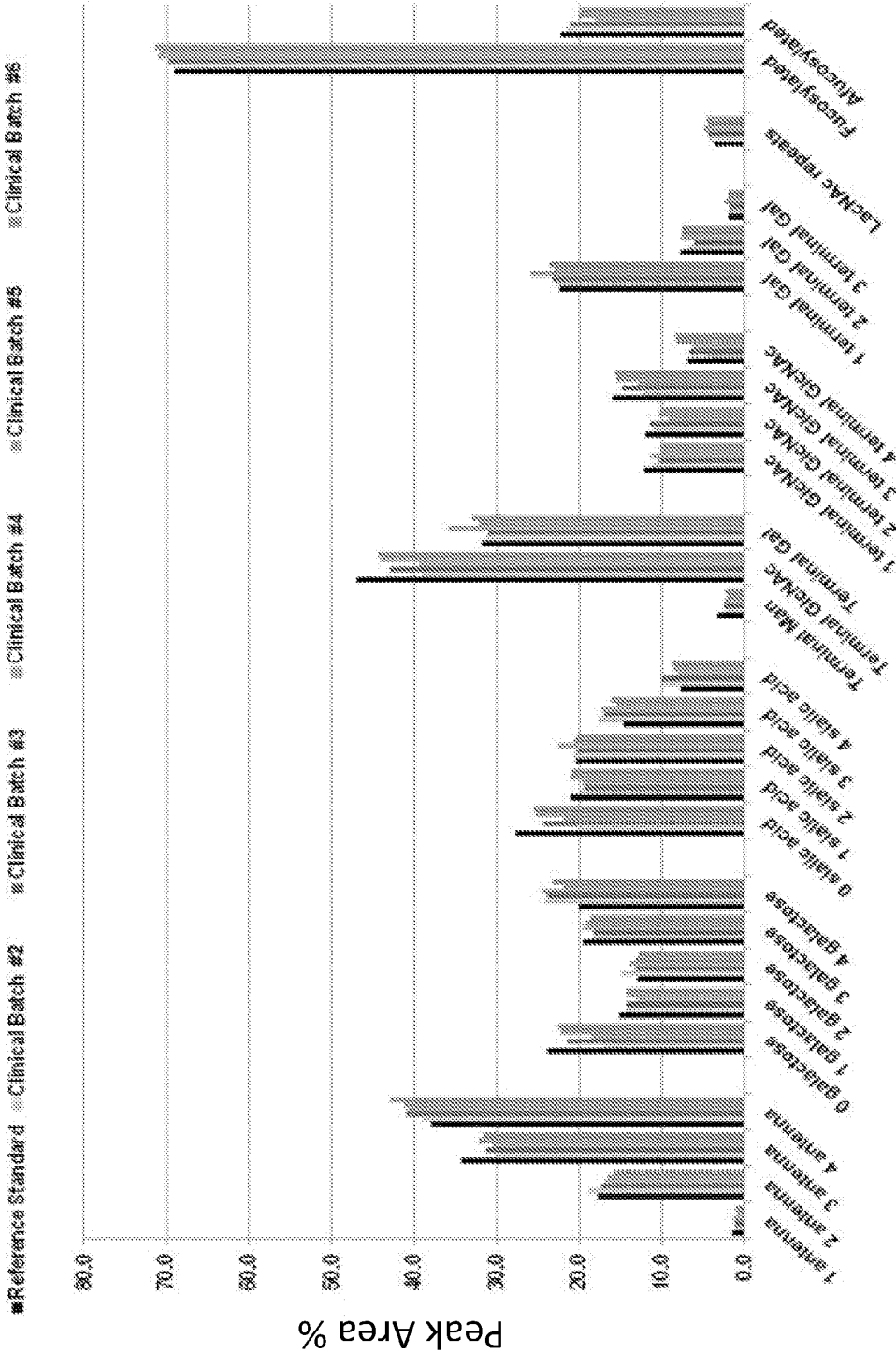


FIG. 9

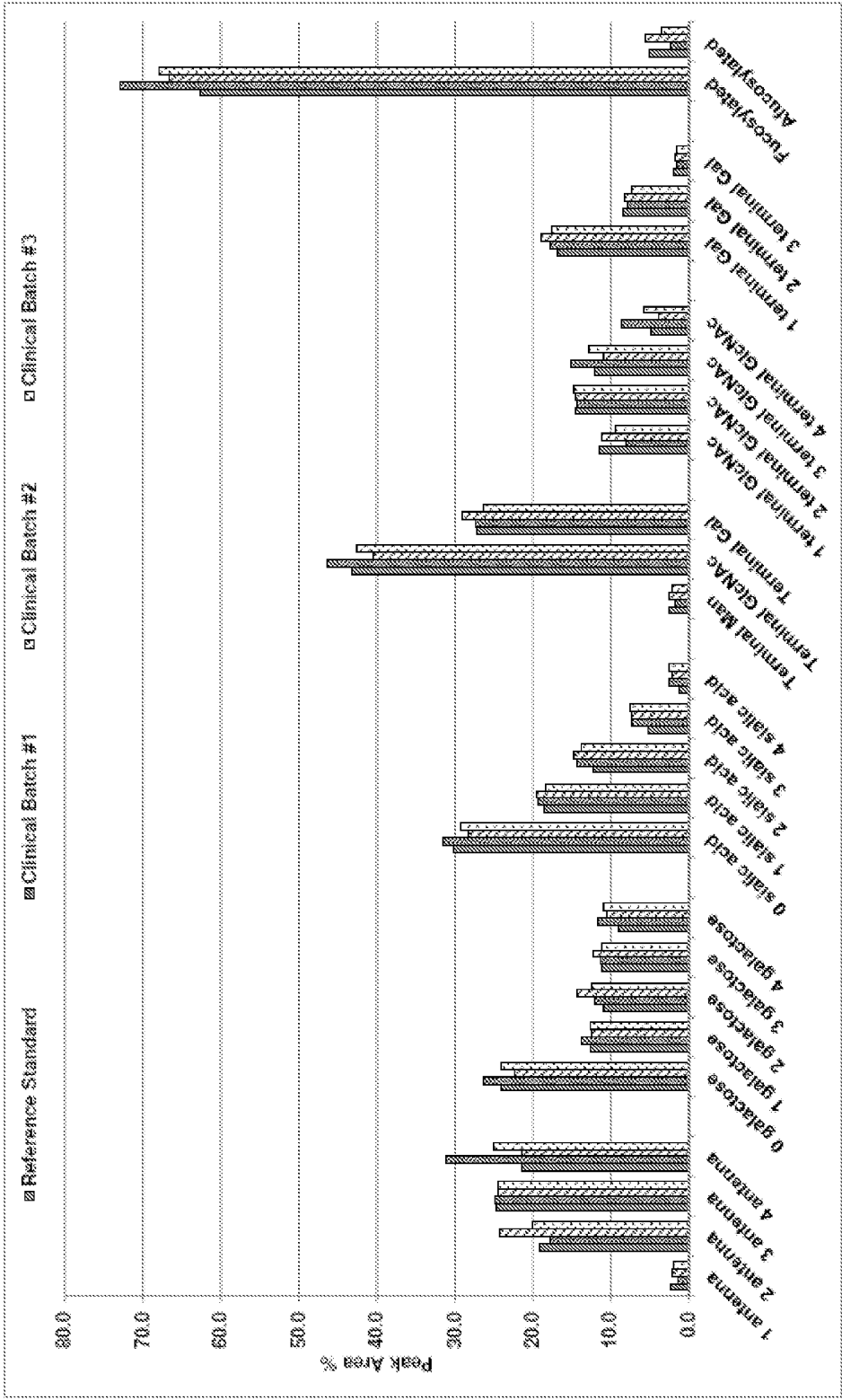


FIG. 10

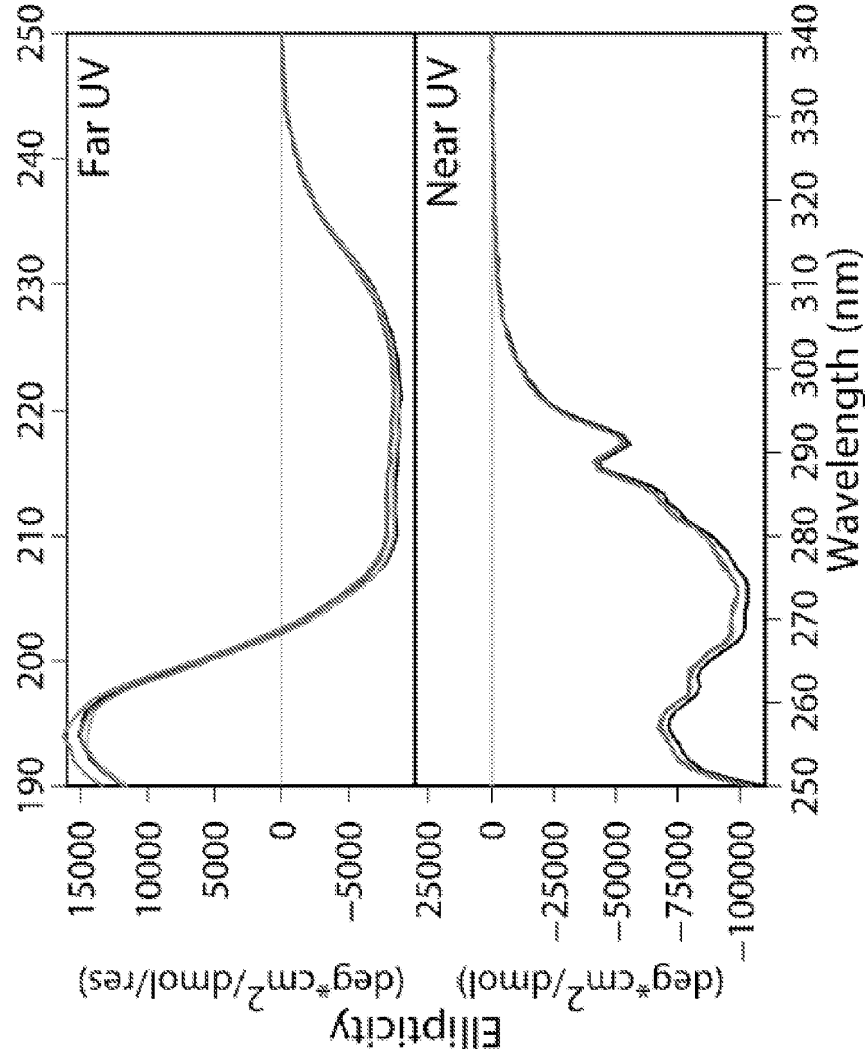


FIG. 12A

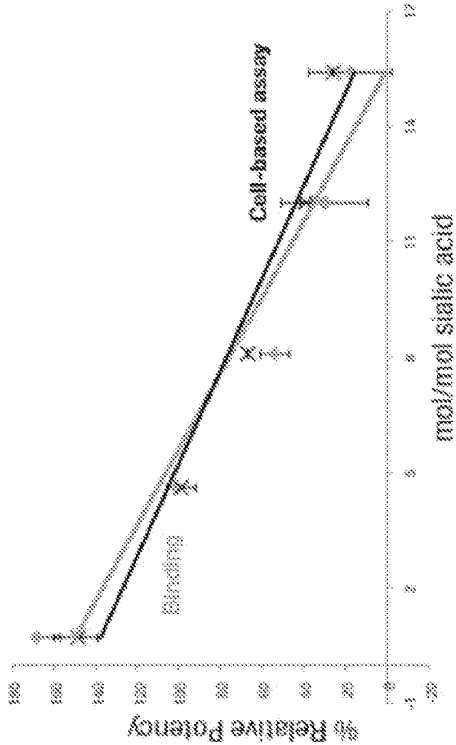


FIG. 12B

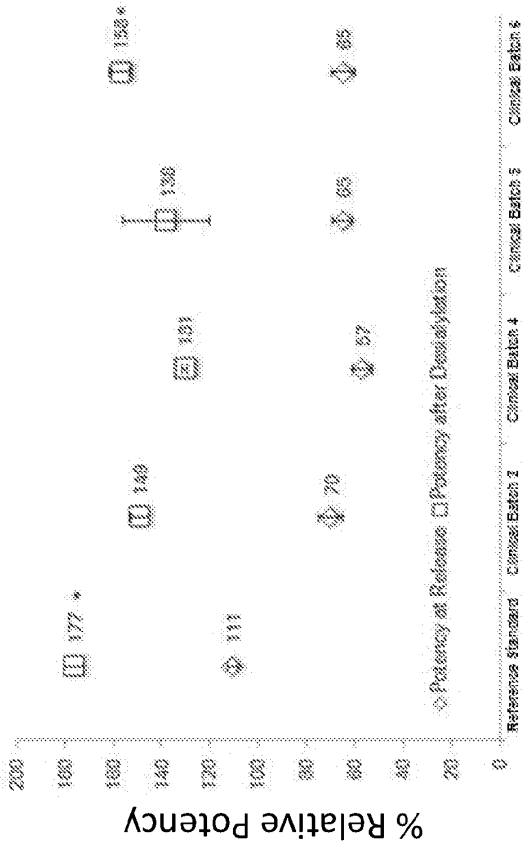


FIG. 13

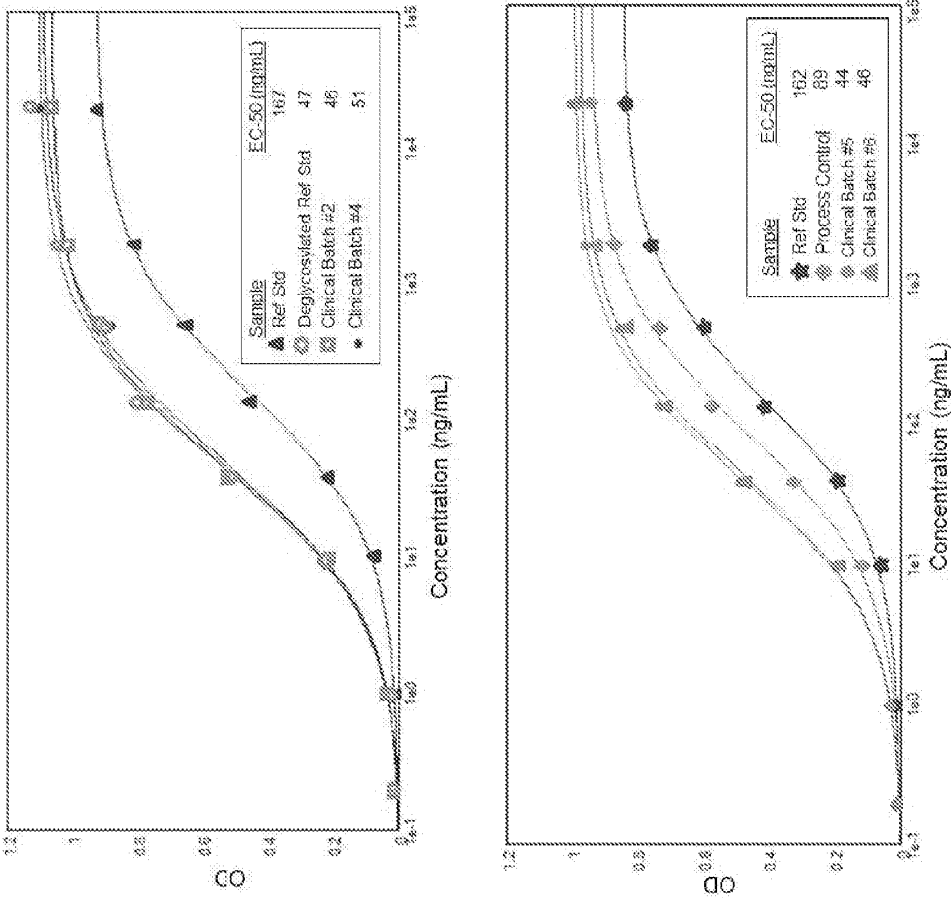


FIG. 14

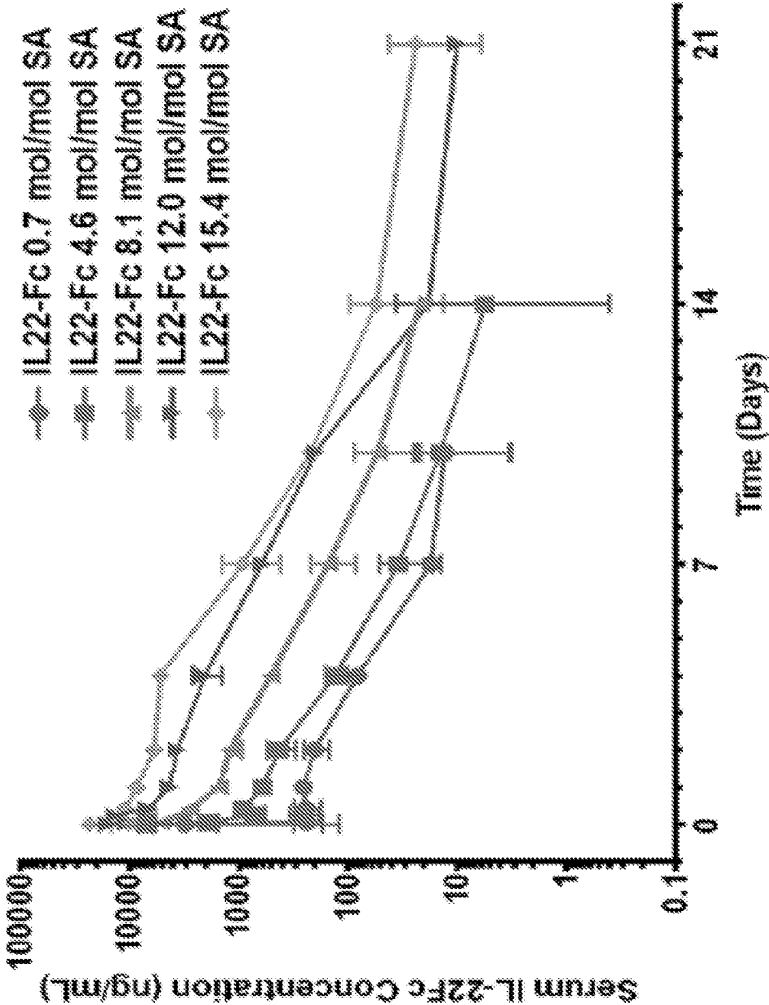


FIG. 15

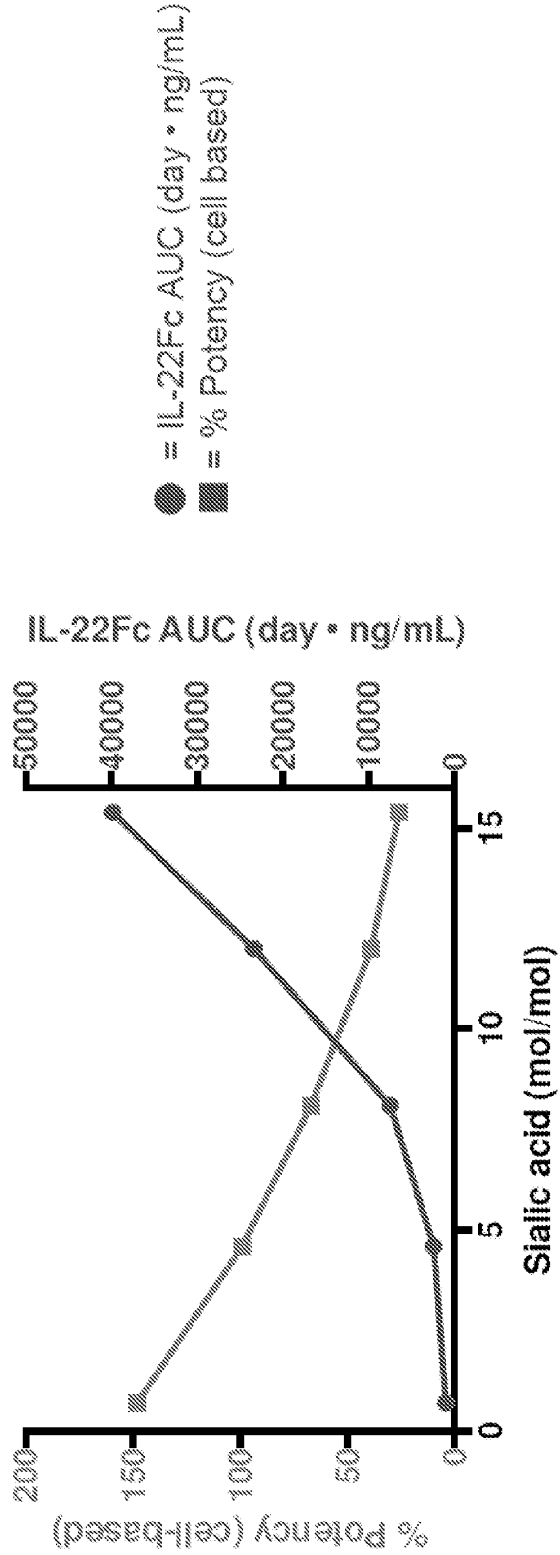


FIG. 16B

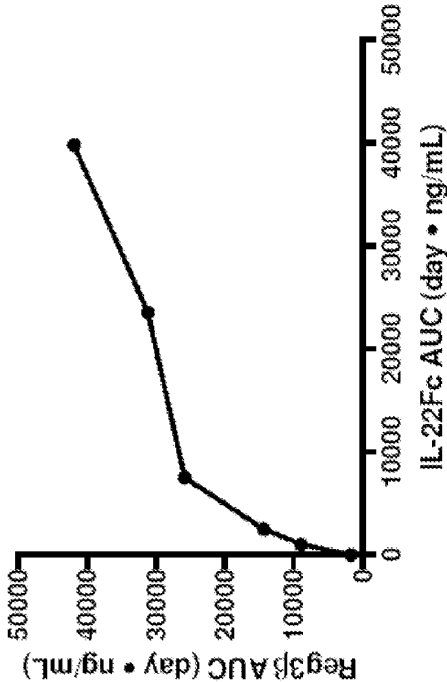
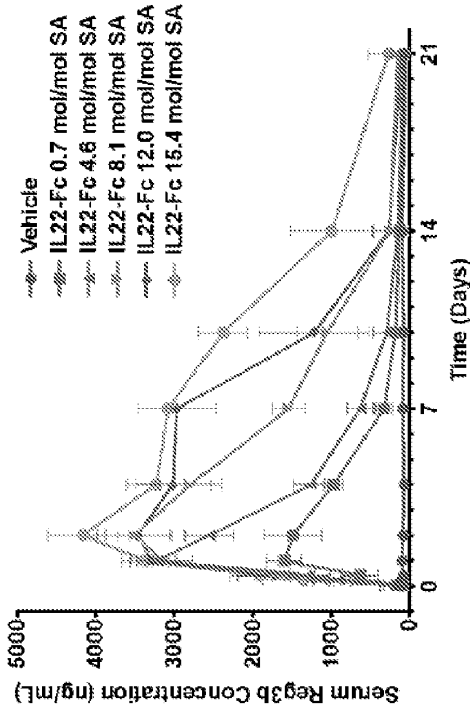


FIG. 16A



Cell Culture Process Flow

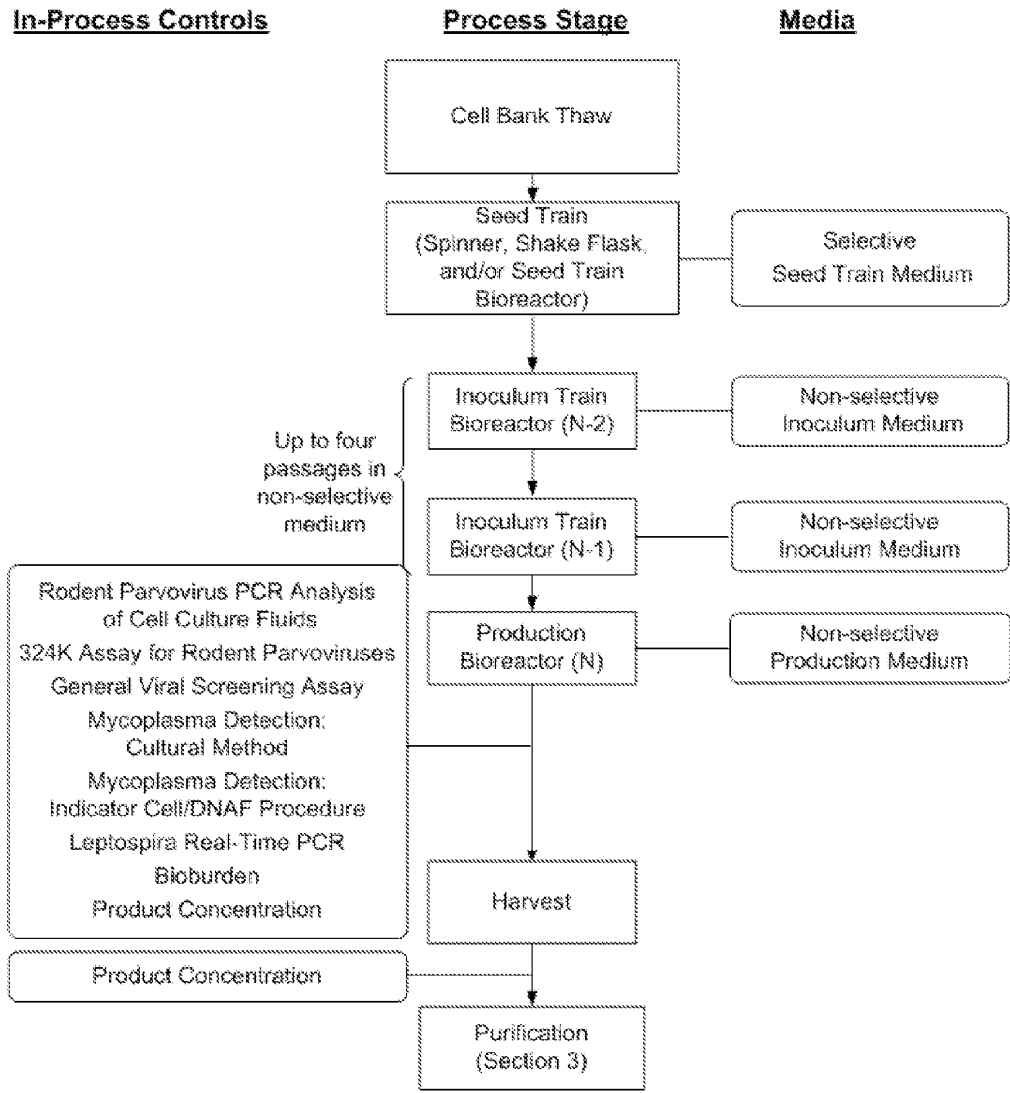


FIG. 17

Purification Process

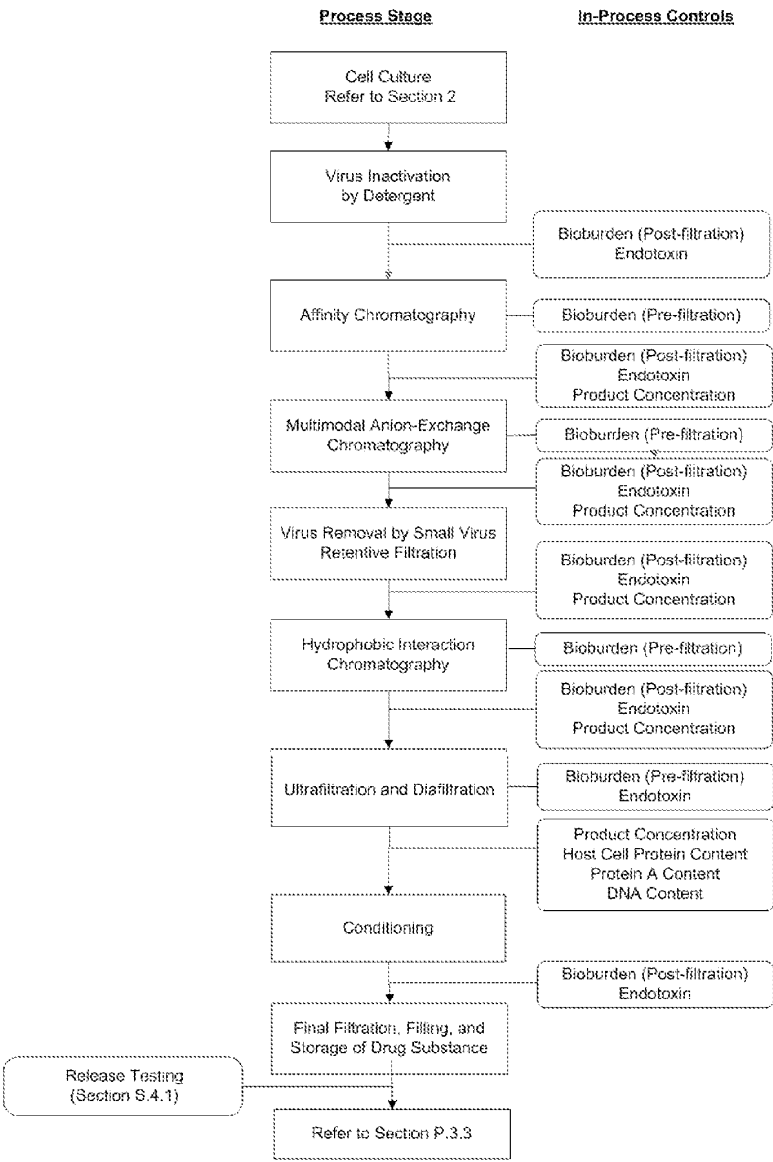


FIG. 18

FIG. 19

IL-22 Amino Acid Sequences Alignment		
Human (Q9GZX6)	apiisshcrldksnfqppyitartfmlakeasladantdvr ligeklfhgvsmsercylmk	80
Chimpanzee (XP_003313906)	apiisshcrldksnfqppyitartfmlakeasladantdvr ligeklfhgvsmsercylmk	
Orangutan (XP_002823544)	apiisshcrldksnfqppyitartfmlakeasladantdvr ligeklfhgvsmsercylmk	
Mouse (Q9JY9)	lpvntcrcklevsnfqppyivrtfmlakeasladantdvr ligeklfhgvsakdgcylmk	
Dog (XP_538274)	lpisshcrldksnfqppyitartfmlakeasladantdvr ligeklfhgvsmsercylml	
	* * * * *	*****

Human (Q9GZX6)	qvlnftleevlfpqsdrrfqymqevvpflarlsnrilstchsegddalhigrnvqklkdtvk	120
Chimpanzee (XP_003313906)	qvlnftleevlfpqsdrrfqymqevvpflarlsnrilstchsegddalhigrnvqklkdtvk	
Orangutan (XP_002823544)	qvlnftleevlfpqsdrrfqymqevvpflarlsnrilstchsegddalhigrnvqklkdtvk	
Mouse (Q9JY9)	qvlnftledvllpqsdrrfqymqevvpfltklslnglschisgddgnicqknvrrlkdtvk	
Dog (XP_538274)	evlnftleevlfpqsdrrfqymqevvpflarlsnklsgchisnddghigrnvqklkdtvy	
	*****	*** ** ** ** **

Human (Q9GZX6)	klgesgeikaigeldllfmlrnaci	146 (SEQ ID NO:4)
Chimpanzee (XP_003313906)	klgesgeikaigeldllfmlrnaci	(SEQ ID NO:48)
Orangutan (XP_002823544)	klgesgeikaigeldllfmlrnaci	(SEQ ID NO:49)
Mouse (Q9JY9)	klgesgeikaigeldllfmlrnacv	(SEQ ID NO:50)
Dog (XP_538274)	klgesgeikaigeldllfmlrnacv	(SEQ ID NO:51)
	****	*****

FIG. 20

