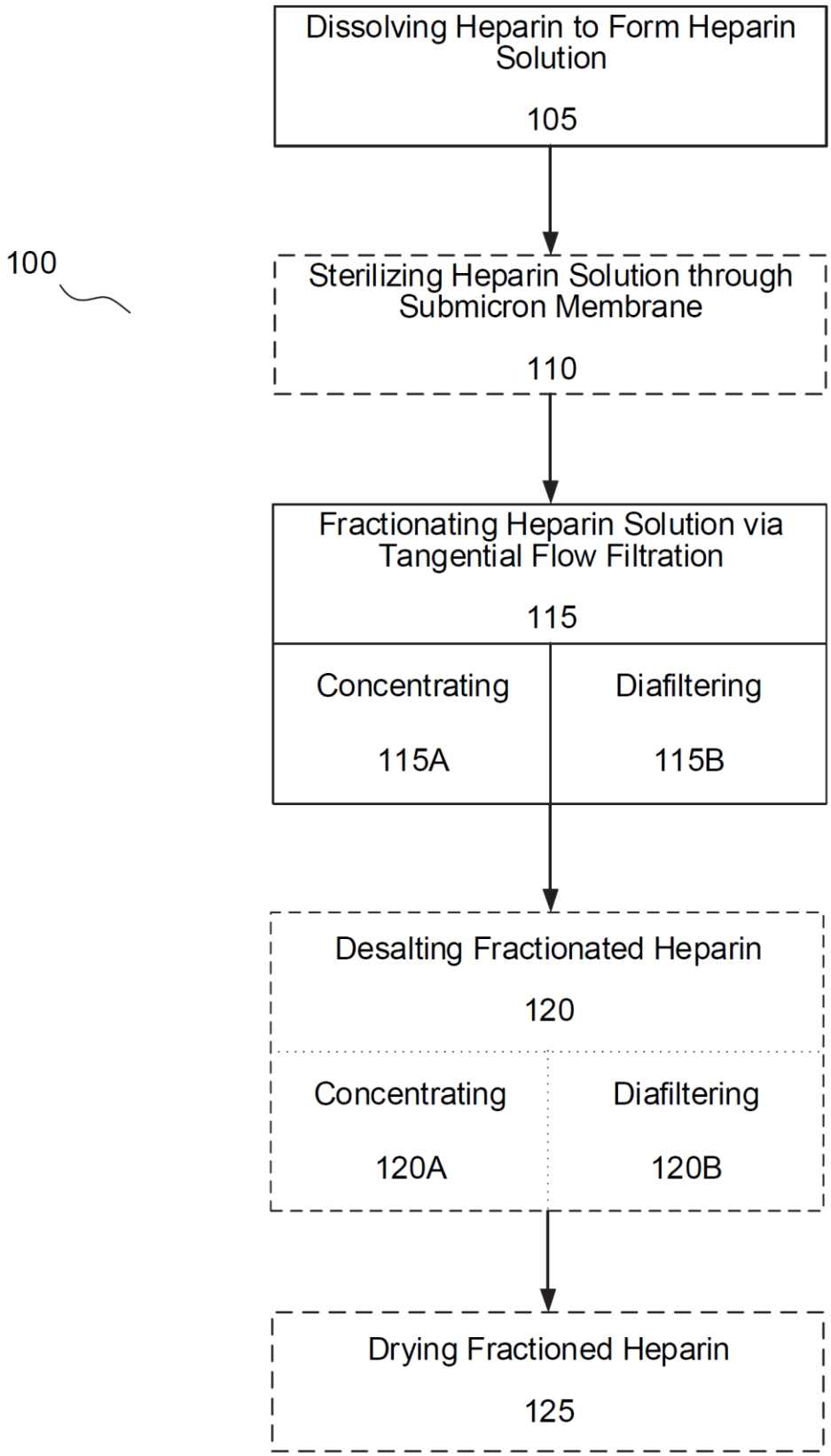

100
Dissolving Heparin to Form Heparin Solution
105
Sterilizing Heparin Solution through Submicron Membrane
110
Fractionating Heparin Solution via Tangential Flow Filtration
115
Concentrating
115A
Diafiltering
115B
Desalting Fractionated Heparin
120
Concentrating
120A
Diafiltering
120B
Drying Fractioned Heparin
125

FIG. 1

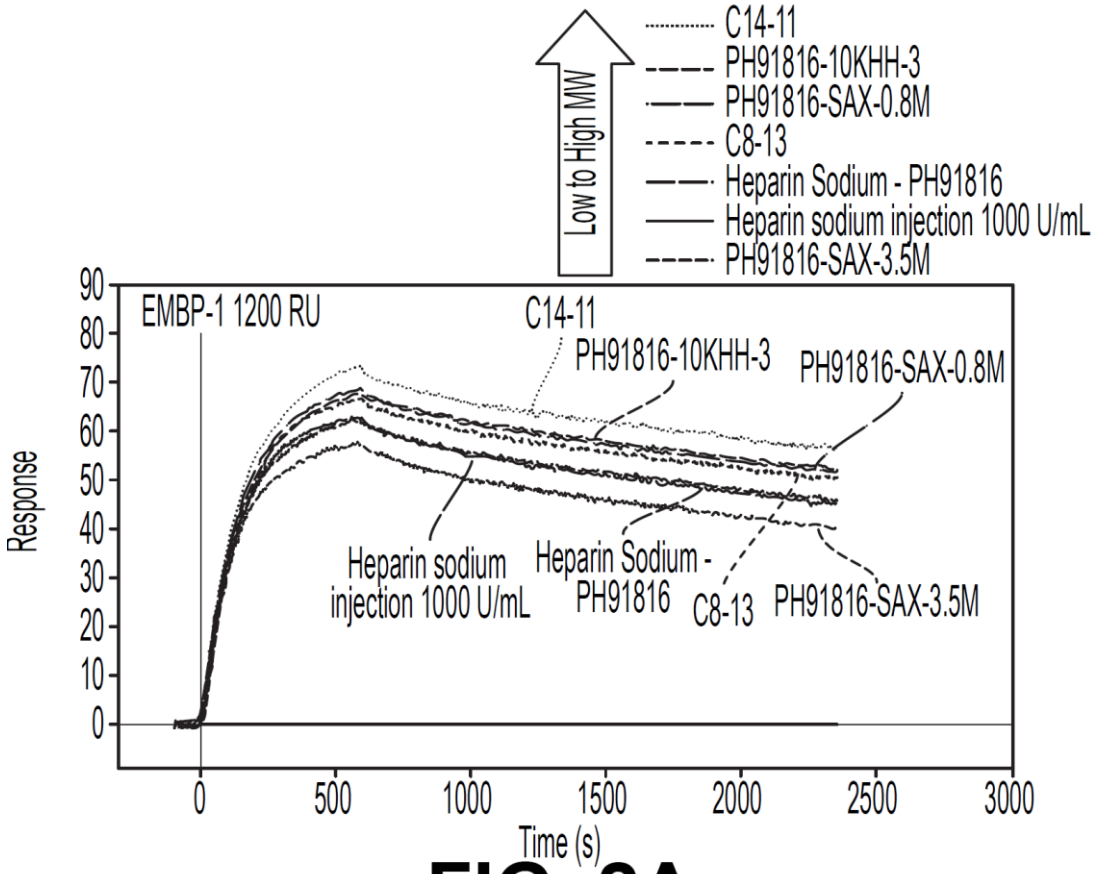

Low to High MW
C14-11
PH91816-10KHH-3
PH91816-SAX-0.8M
C8-13
Heparin Sodium - PH91816
Heparin sodium injection 1000 U/mL
PH91816-SAX-3.5M
EMBP-1 1200 RU
C14-11
PH91816-10KHH-3
PH91816-SAX-0.8M
Heparin sodium injection 1000 U/mL
Heparin Sodium - PH91816
C8-13
PH91816-SAX-3.5M
Response
Time (s)

FIG. 2A

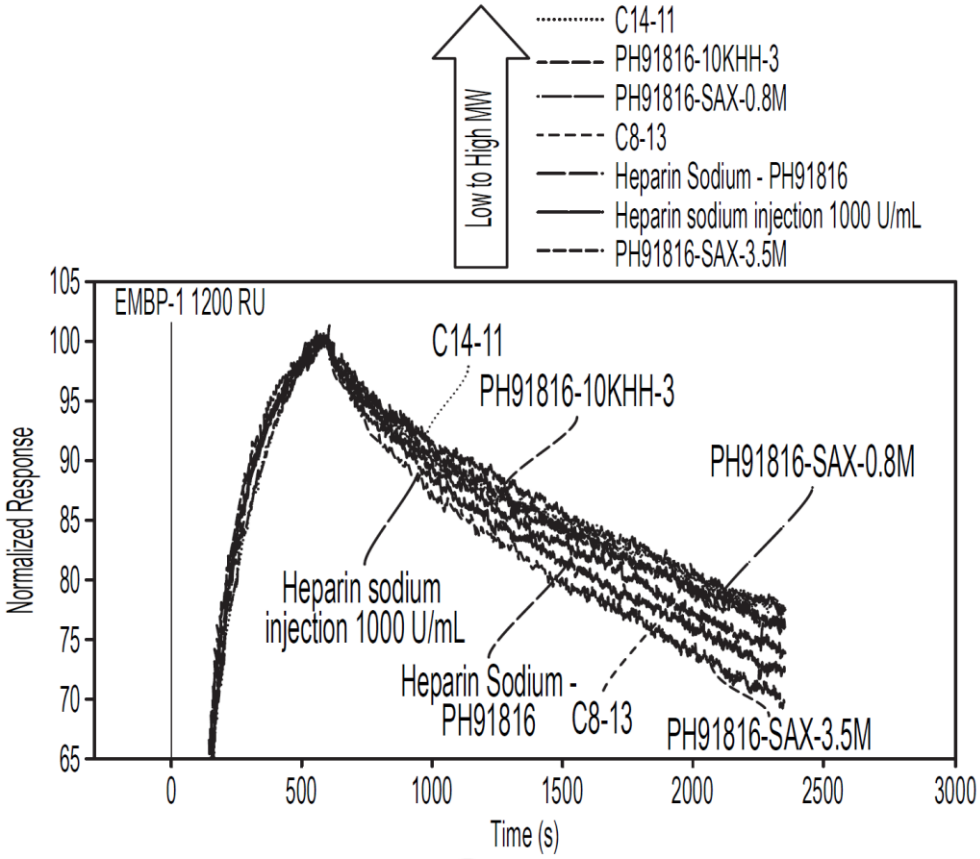

Low to High MW
C14-11
PH91816-10KHH-3
PH91816-SAX-0.8M
C8-13
Heparin Sodium - PH91816
Heparin sodium injection 1000 U/mL
PH91816-SAX-3.5M
EMBP-1 1200 RU
C14-11
PH91816-10KHH-3
PH91816-SAX-0.8M
Heparin sodium injection 1000 U/mL
Heparin Sodium - PH91816
C8-13
PH91816-SAX-3.5M
Normalized Response
Time (s)

FIG. 2B

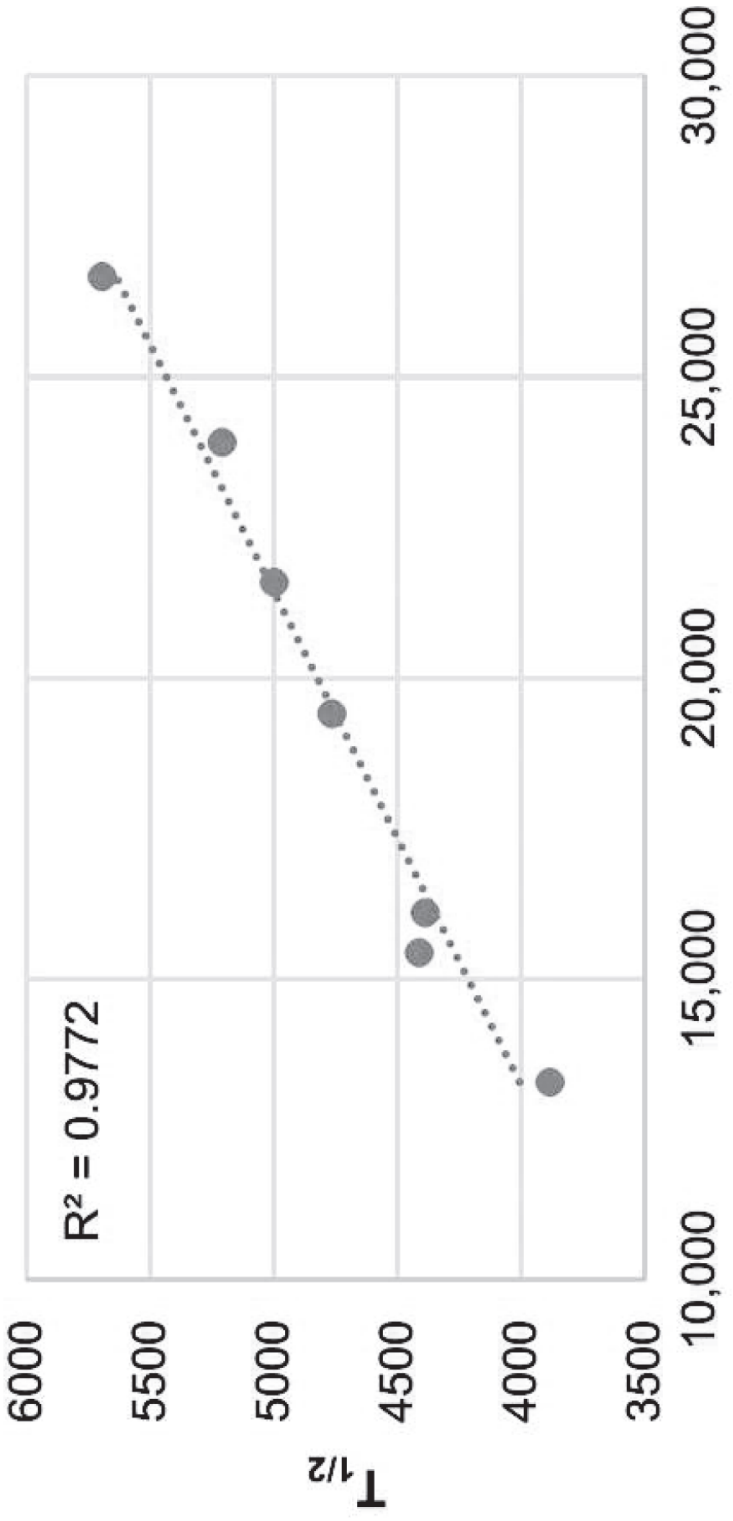

T1/2 vs MW
(EMBP 1200 RU- Heparin 100 ng/mL)
R² = 0.9772
T1/2
MW
6000
5500
5000
4500
4000
3500
10,000
15,000
20,000
25,000
30,000

FIG. 3