FIG. 1

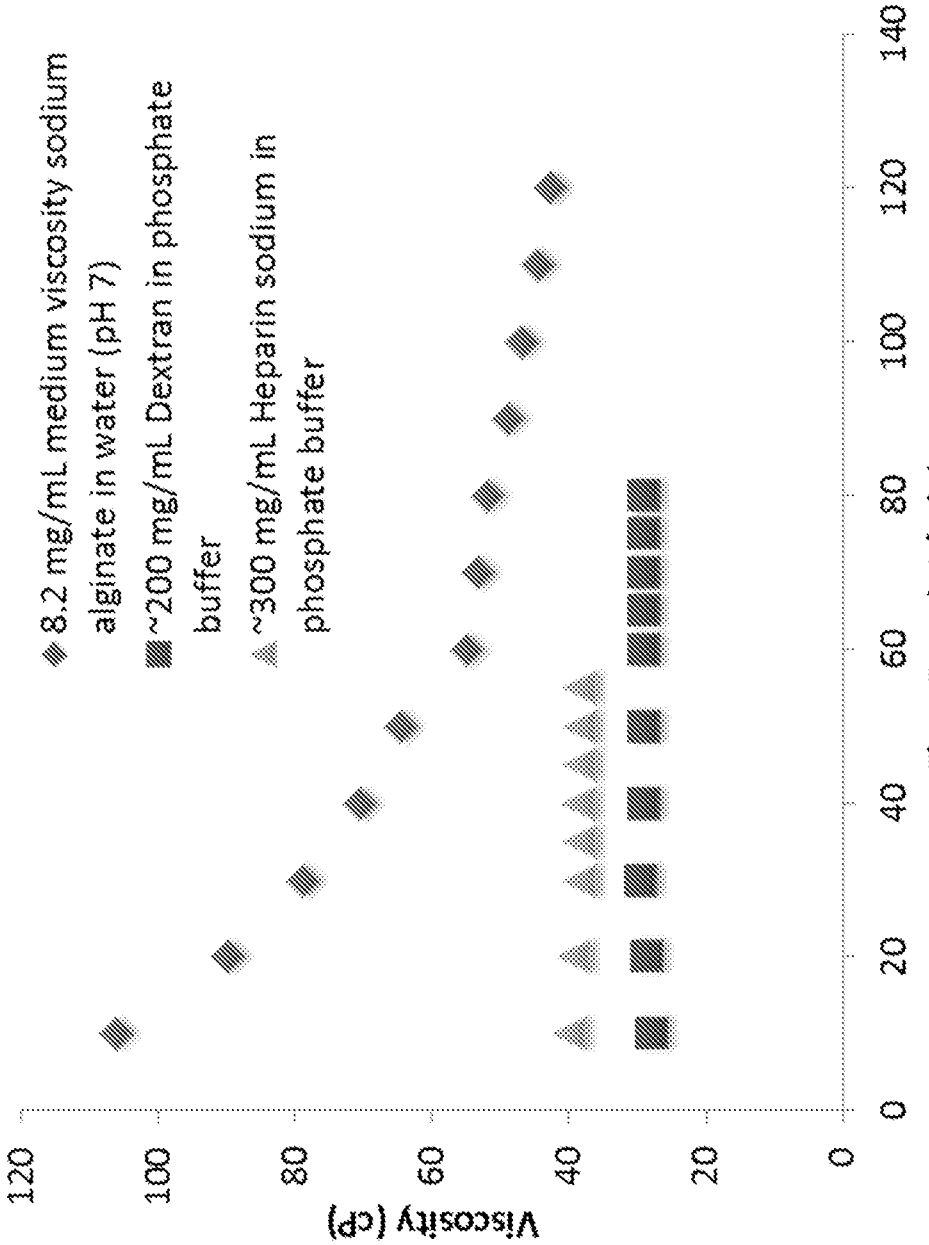

8.2 mg/mL medium viscosity sodium alginate in water (pH 7)
~200 mg/mL Dextran in phosphate buffer
~300 mg/mL Heparin sodium in phosphate buffer
Viscosity (cP)
Flow Rate (uL/min)
0
20
40
60
80
100
120
140

FIG. 2

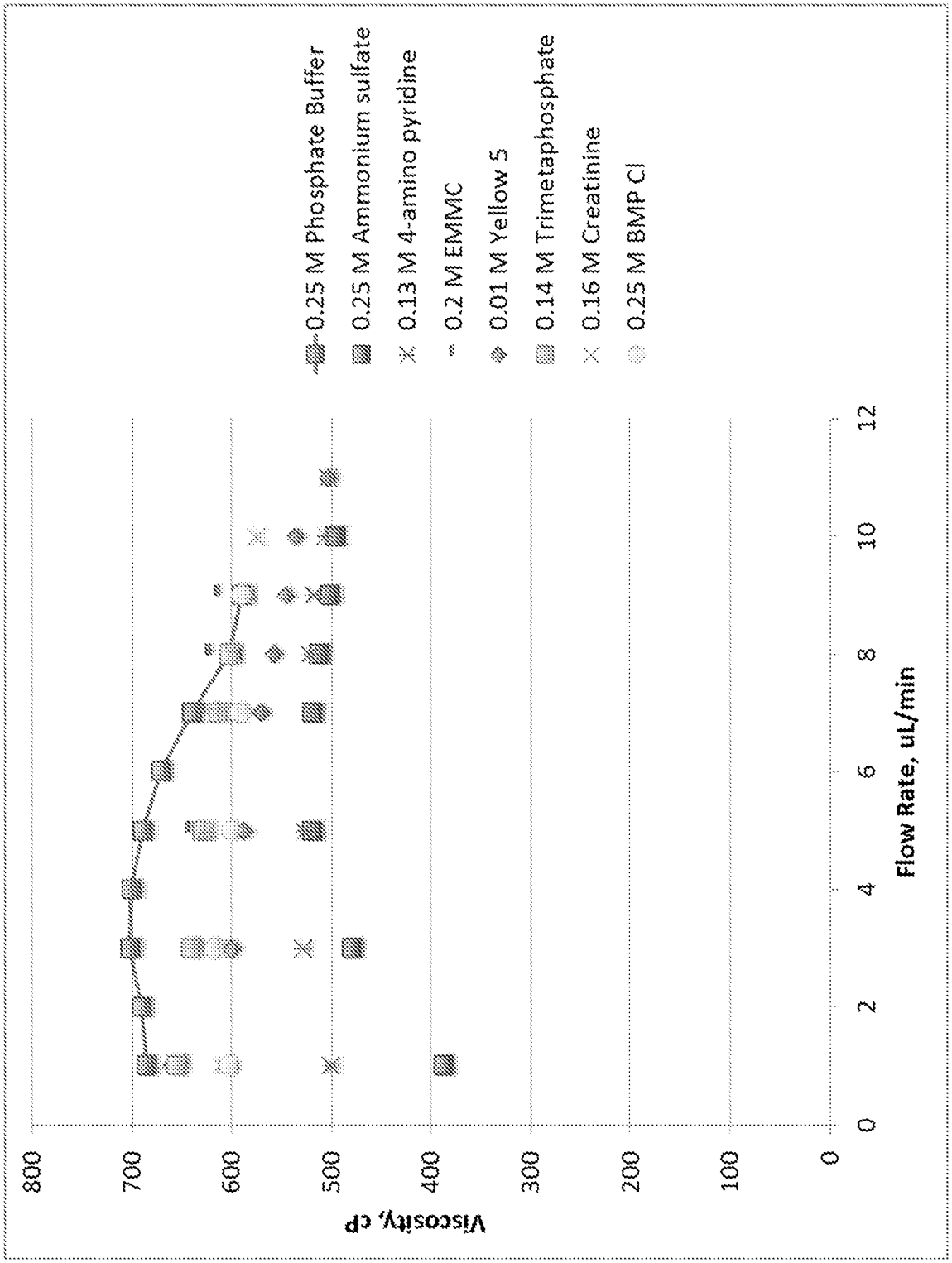
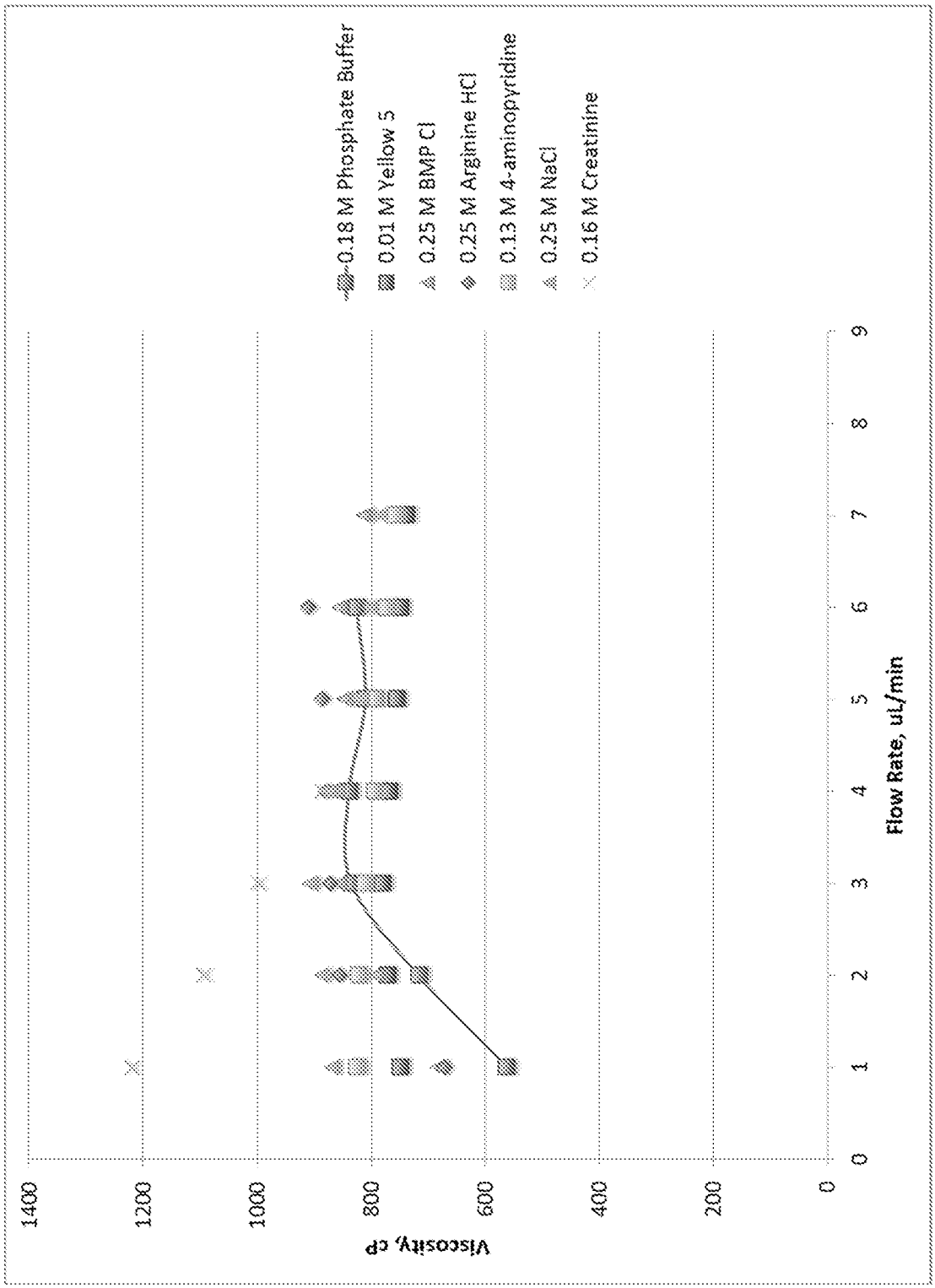

0.25 M Phosphate Buffer
0.25 M Ammonium sulfate
0.13 M 4-amino pyridine
0.2 M EMMC
0.01 M Yellow 5
0.14 M Trimetaphosphate
0.16 M Creatinine
0.25 M BMP Cl
Viscosity, cP
Flow Rate, uL/min
0
100
200
300
400
500
600
700
800
0
2
4
6
8
10
12

FIG. 3


0.18 M Phosphate Buffer
0.01 M Yellow 5
0.25 M BMP Cl
0.25 M Arginine HCl
0.13 M 4-aminopyridine
0.25 M NaCl
0.16 M Creatinine
Viscosity, cP
Flow Rate, uL/min
0
200
400
600
800
1000
1200
1400
0
1
2
3
4
5
6
7
8
9