FIG. 1

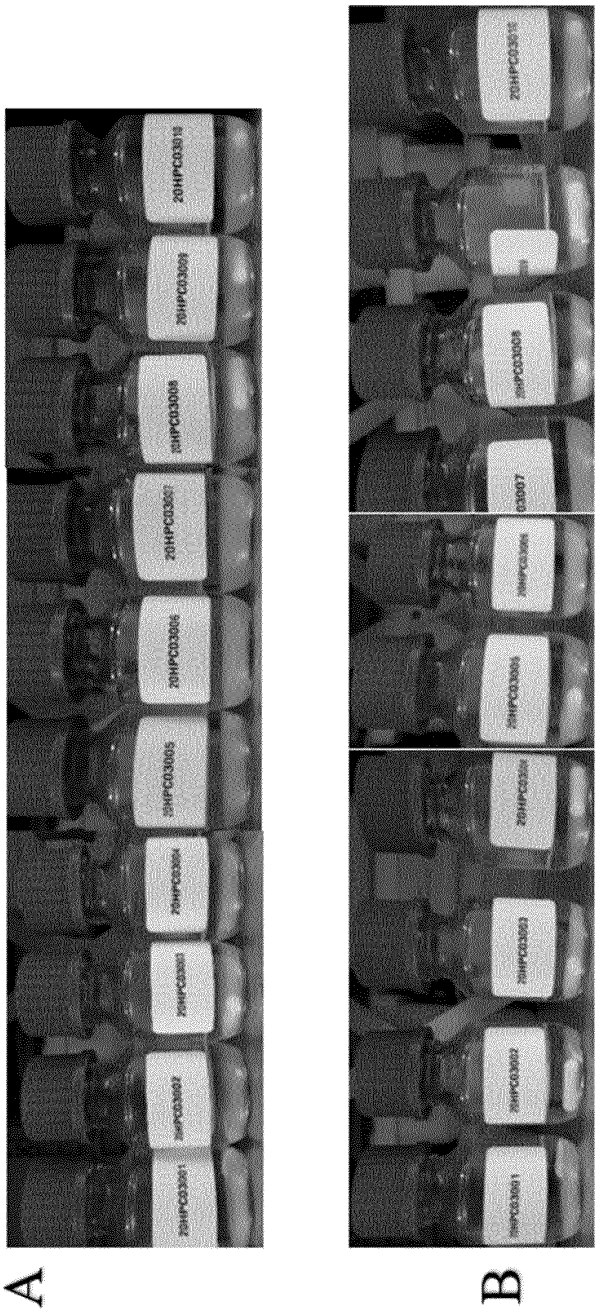


FIG. 2

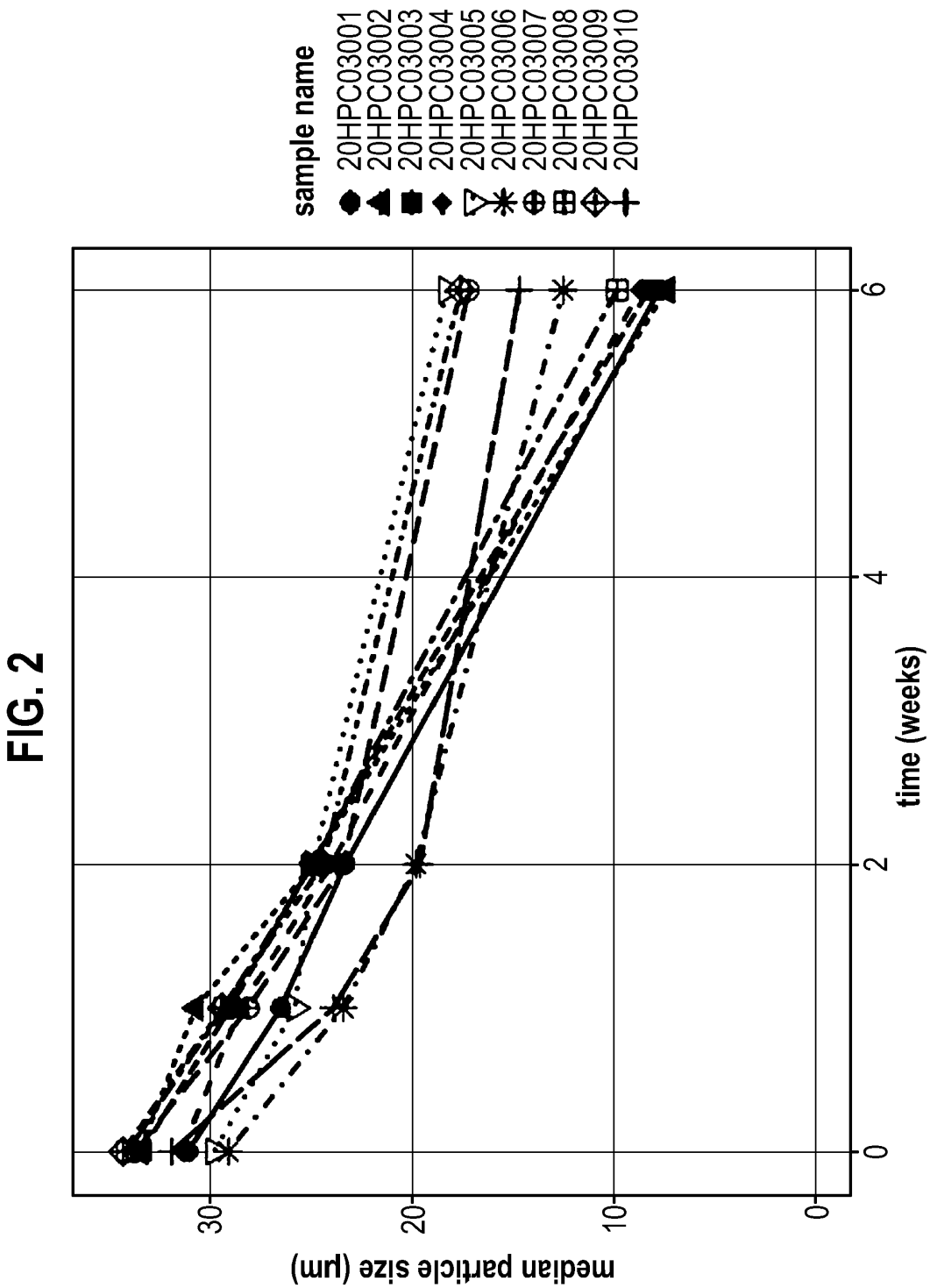

sample name
20HPC03001
20HPC03002
20HPC03003
20HPC03004
20HPC03005
20HPC03006
20HPC03007
20HPC03008
20HPC03009
20HPC03010
median particle size (µm)
0
10
20
30
time (weeks)
0
2
4
6

FIG. 3

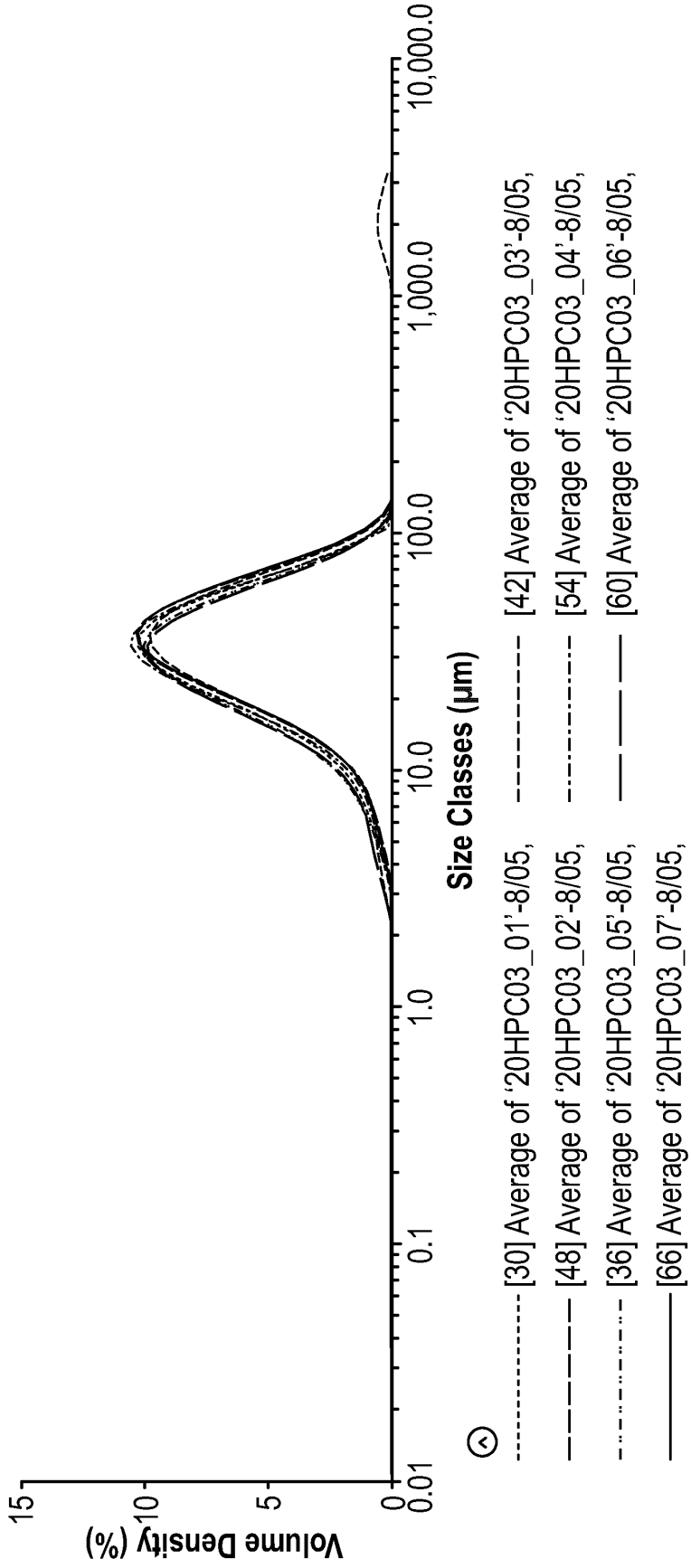

Volume Density (%)
15
10
5
0
0.01
0.1
1.0
10.0
100.0
1,000.0
10,000.0
Size Classes (µm)
[30] Average of '20HPC03_01'-8/05,
[42] Average of '20HPC03_03'-8/05,
[48] Average of '20HPC03_02'-8/05,
[54] Average of '20HPC03_04'-8/05,
[36] Average of '20HPC03_05'-8/05,
[60] Average of '20HPC03_06'-8/05,
[66] Average of '20HPC03_07'-8/05,

FIG. 4

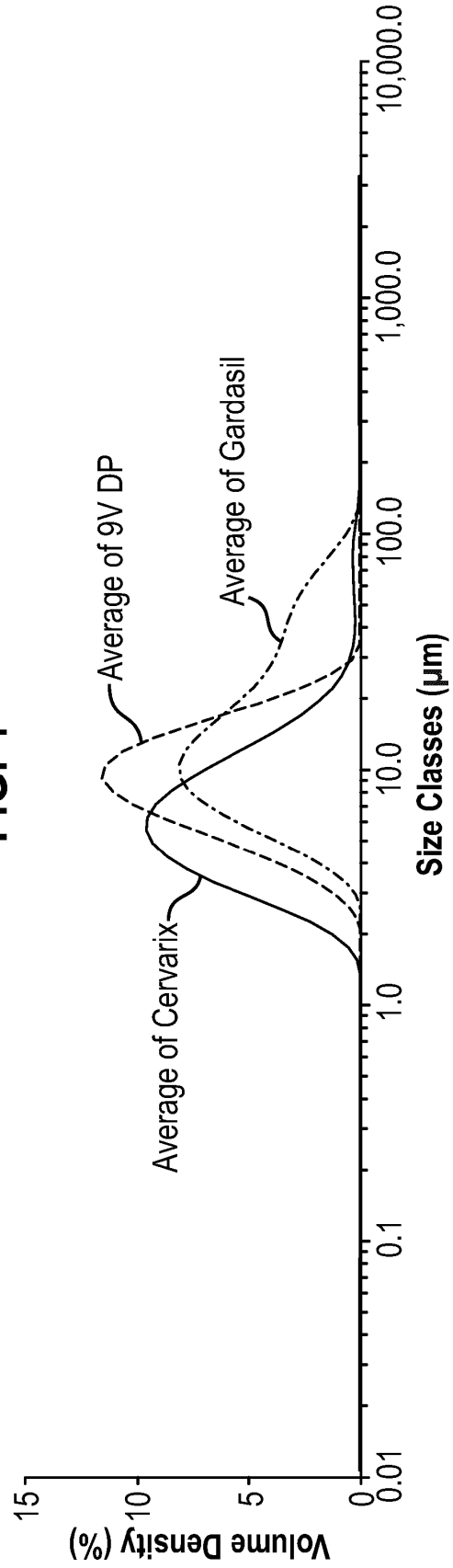

Volume Density (%)
15
10
5
0
0.01
0.1
1.0
10.0
100.0
1,000.0
10,000.0
Size Classes (µm)
Average of Cervarix
Average of 9V DP
Average of Gardasil

FIG. 5

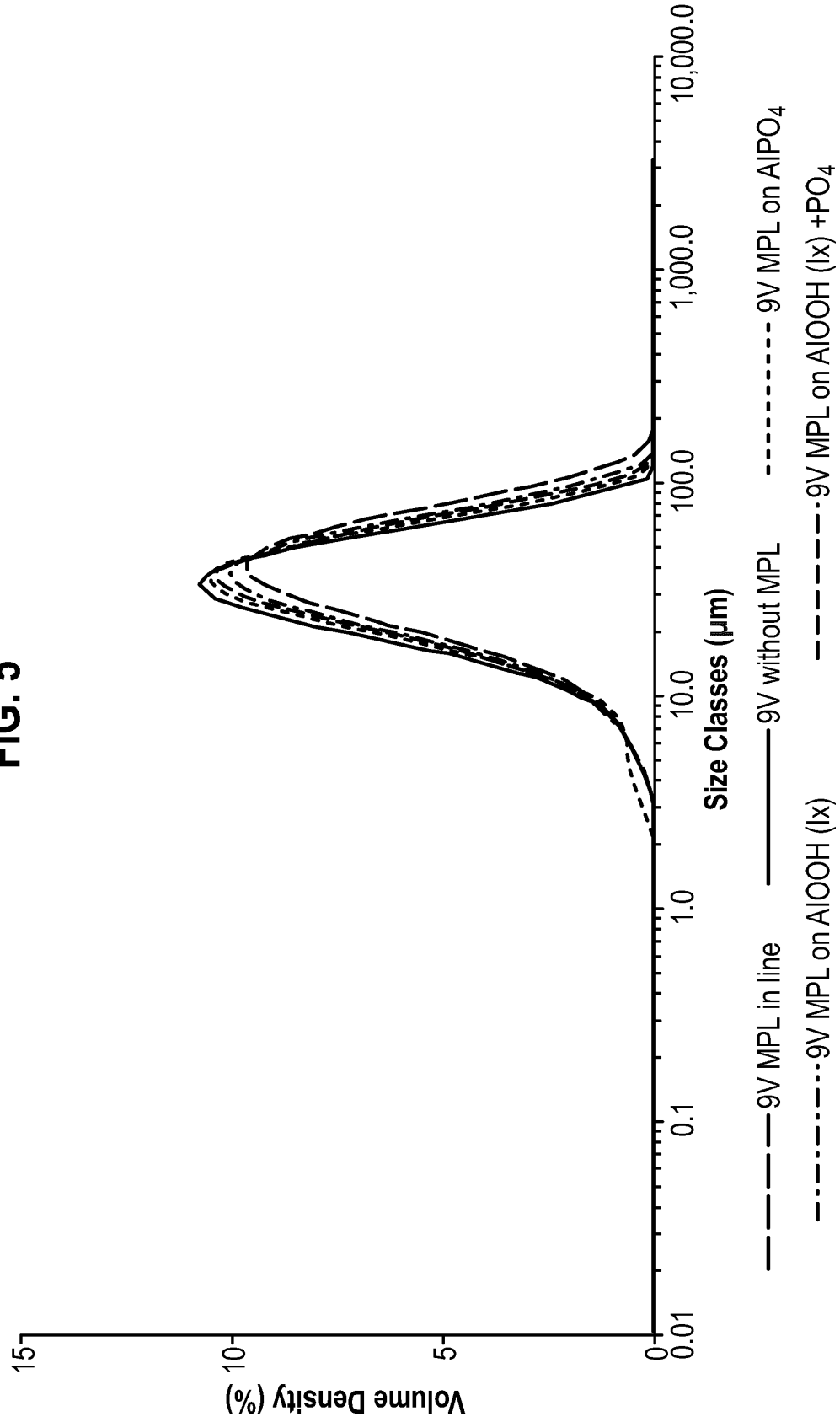

Volume Density (%)
15
10
5
0
0.01
0.1
1.0
10.0
100.0
1,000.0
10,000.0
Size Classes (µm)
9V MPL in line
9V without MPL
9V MPL on AlPO4
9V MPL on AlOOH (lx)
9V MPL on AlOOH (lx) +PO4

FIG. 6

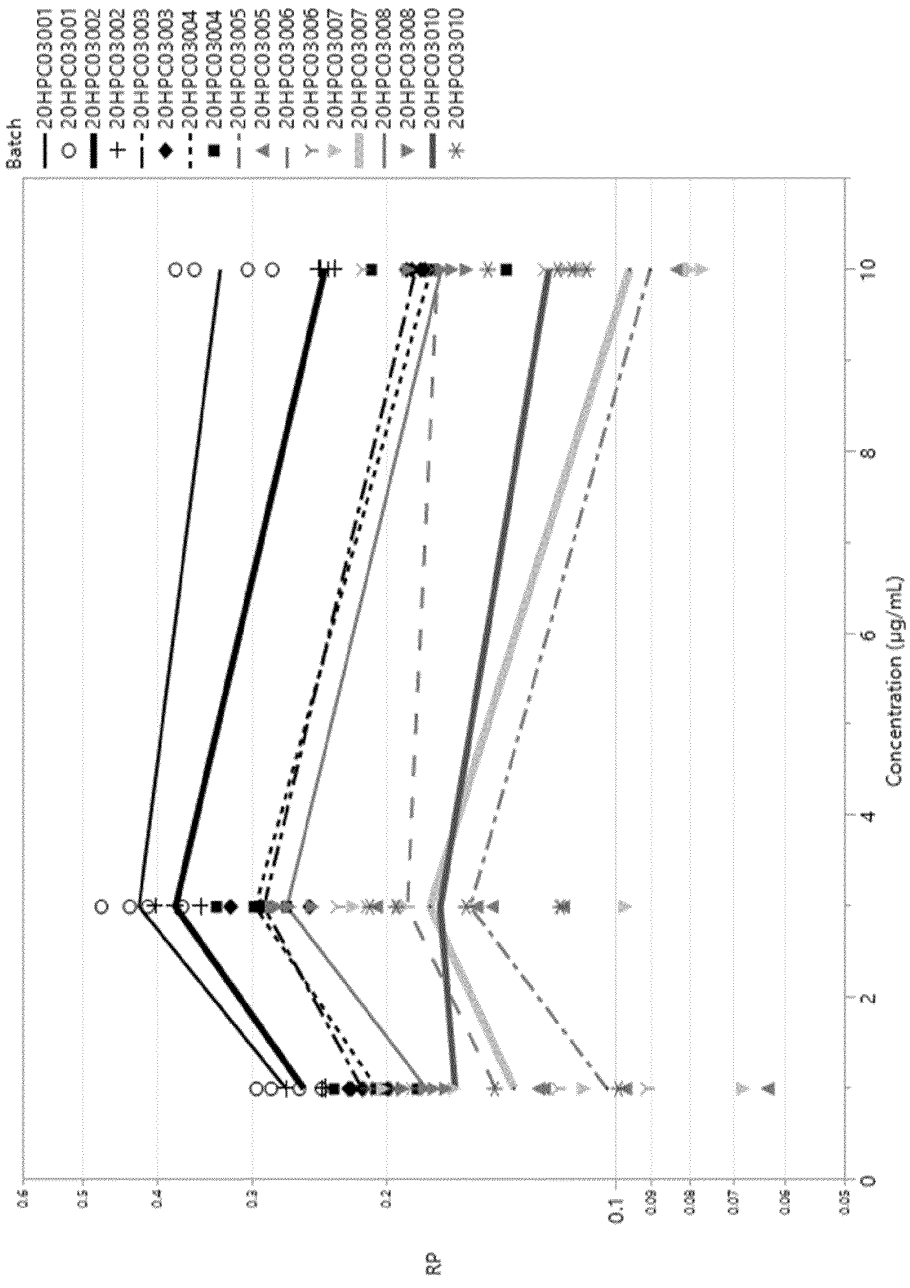

Batch
20HPC03001
20HPC03001
20HPC03002
20HPC03002
20HPC03003
20HPC03003
20HPC03004
20HPC03004
20HPC03005
20HPC03005
20HPC03006
20HPC03006
20HPC03007
20HPC03007
20HPC03008
20HPC03008
20HPC03010
20HPC03010
RP
0.6
0.5
0.4
0.3
0.2
0.1
0.09
0.08
0.07
0.06
0.05
0
2
4
6
8
10
Concentration (µg/mL)

FIG. 7

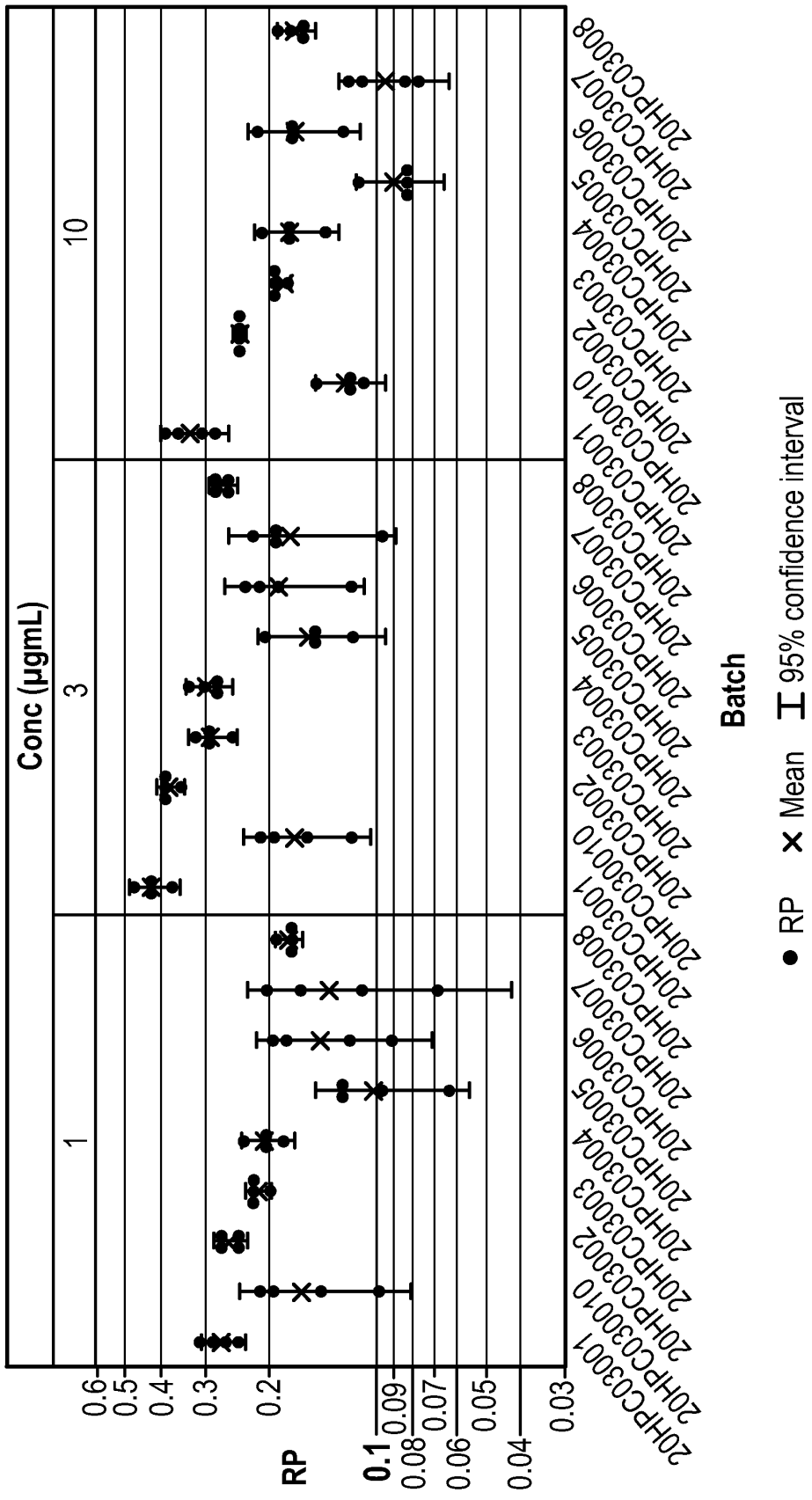
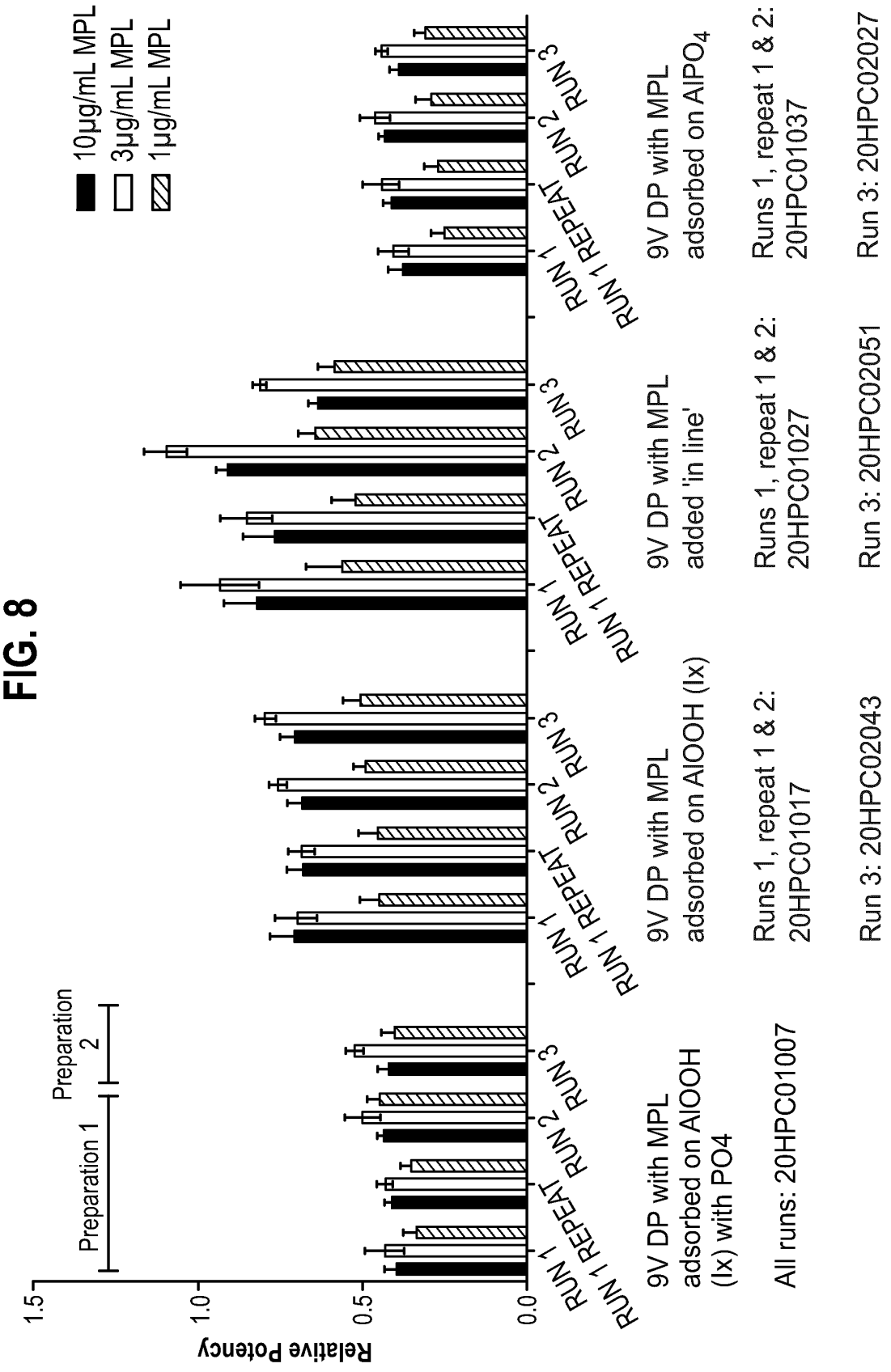

Conc (µgmL)
1
3
10
RP
0.6
0.5
0.4
0.3
0.2
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
Batch
20HPC03001
20HPC03010
20HPC03002
20HPC03003
20HPC03004
20HPC03005
20HPC03006
20HPC03007
20HPC03008
● RP × Mean ⊥ 95% confidence interval

FIG. 8


10µg/mL MPL
3µg/mL MPL
1µg/mL MPL
Relative Potency
1.5
1.0
0.5
0.0
Preparation 1
Preparation 2
RUN 1
RUN 1 REPEAT
RUN 2
RUN 3
9V DP with MPL adsorbed on AlOOH (lx) with PO4
9V DP with MPL adsorbed on AlOOH (lx)
9V DP with MPL added 'in line'
9V DP with MPL adsorbed on AlPO4
All runs: 20HPC01007
Runs 1, repeat 1 & 2: 20HPC01017
Run 3: 20HPC02043
Runs 1, repeat 1 & 2: 20HPC01027
Run 3: 20HPC02051
Runs 1, repeat 1 & 2: 20HPC01037
Run 3: 20HPC02027