FIG. 1

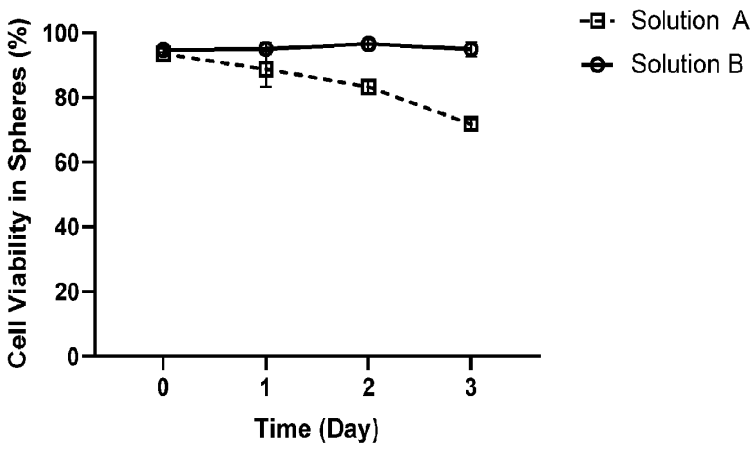

Cell Viability in Spheres (%)
100
80
60
40
20
0
0
1
2
3
Time (Day)
Solution A
Solution B

FIG. 2

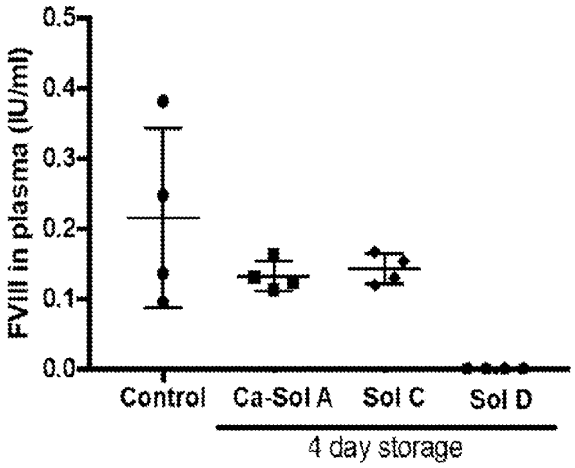

FVIII in plasma (IU/ml)
0.5
0.4
0.3
0.2
0.1
0.0
Control
Ca-Sol A
Sol C
Sol D
4 day storage

FIG. 3A

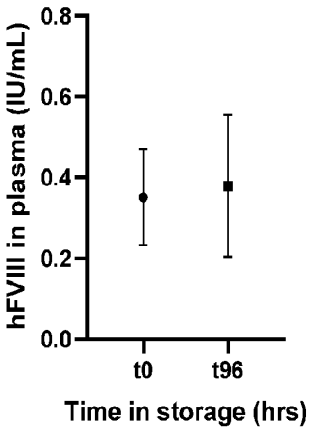

hFVIII in plasma (IU/mL)
0.8
0.6
0.4
0.2
0.0
t0
t96
Time in storage (hrs)

FIG. 3B

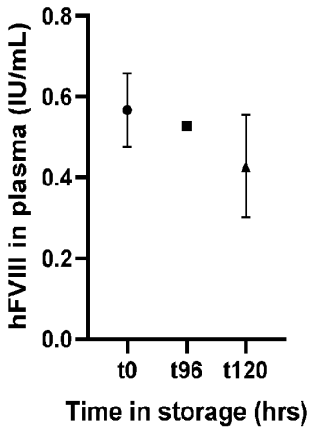

hFVIII in plasma (IU/mL)
0.8
0.6
0.4
0.2
0.0
t0
t96
t120
Time in storage (hrs)

FIG. 4

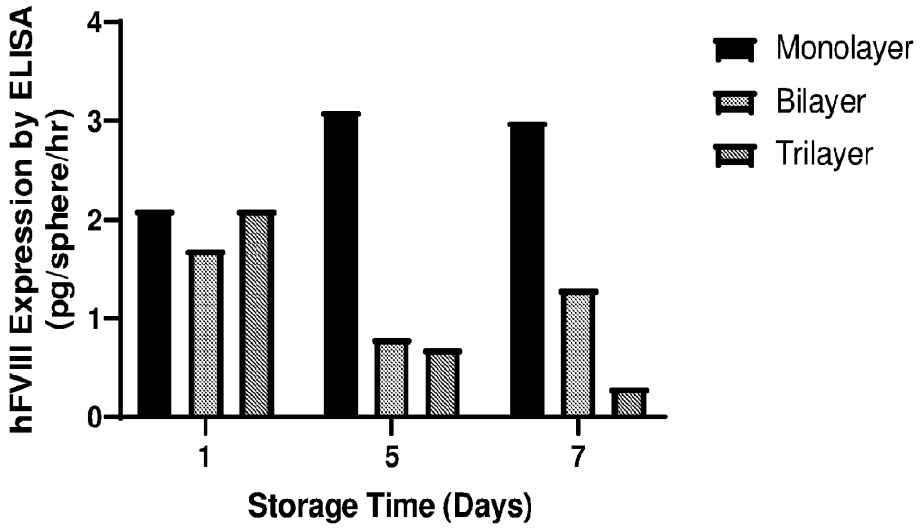
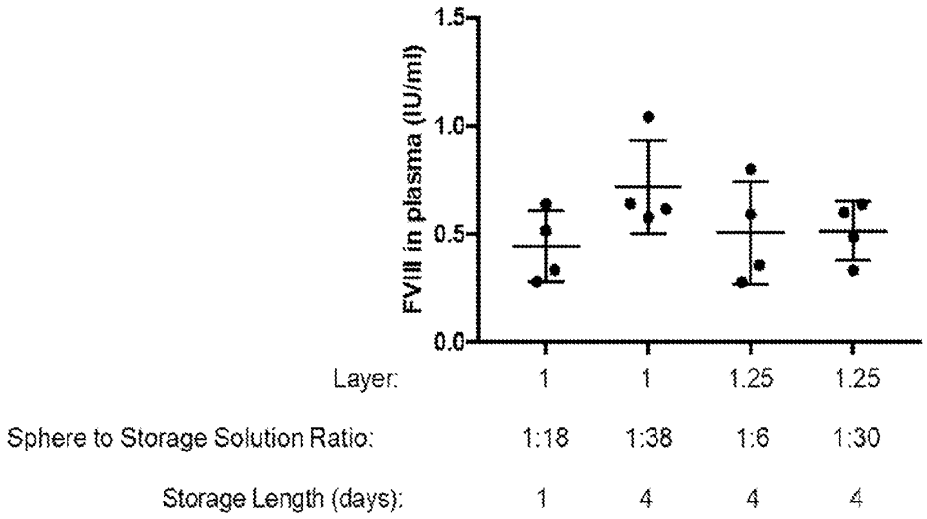

hFVIII Expression by ELISA
(pg/sphere/hr)
4
3
2
1
0
1
5
7
Storage Time (Days)
Monolayer
Bilayer
Trilayer

FIG. 5


FVIII in plasma (IU/ml)
1.5
1.0
0.5
0.0
Layer: 1 1 1.25 1.25
Sphere to Storage Solution Ratio: 1:18 1:38 1:6 1:30
Storage Length (days): 1 4 4 4