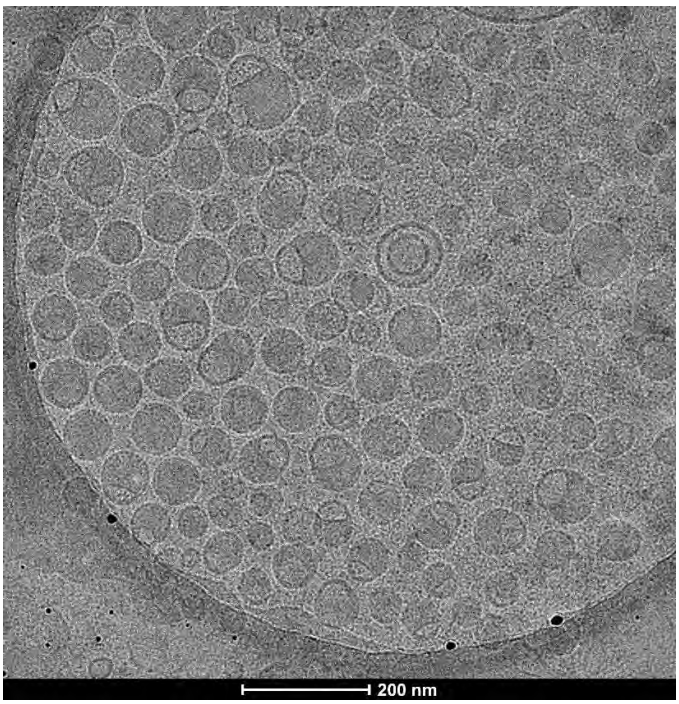
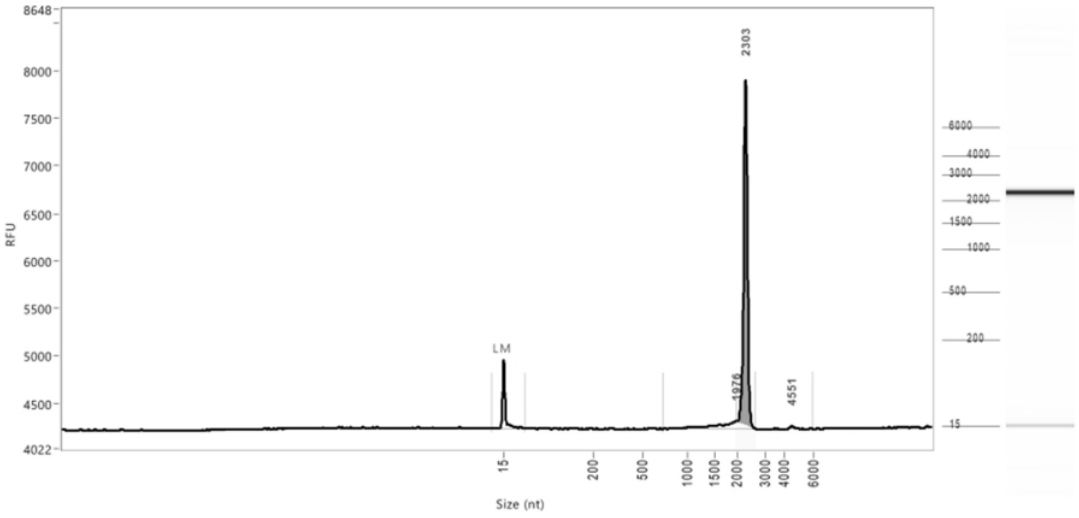
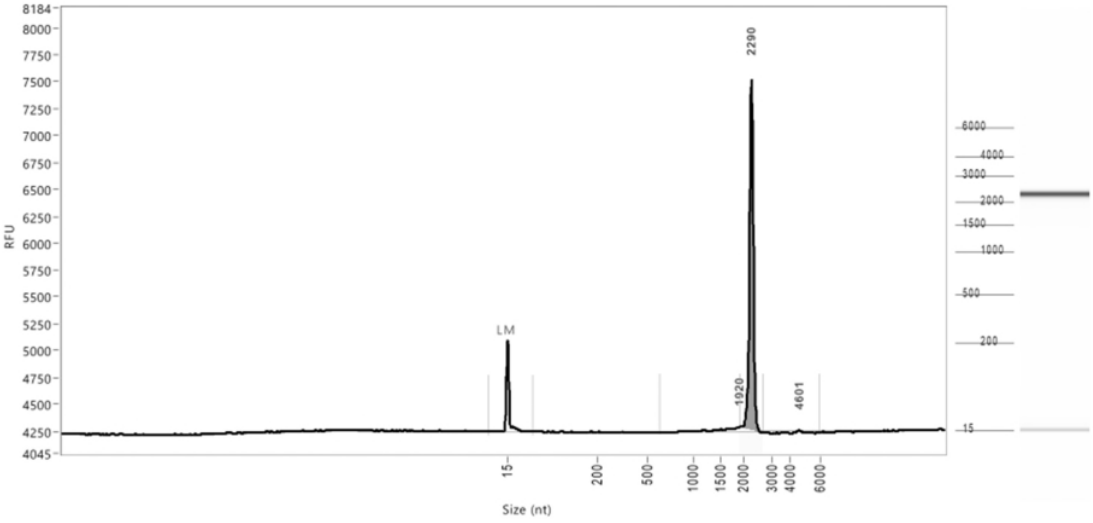


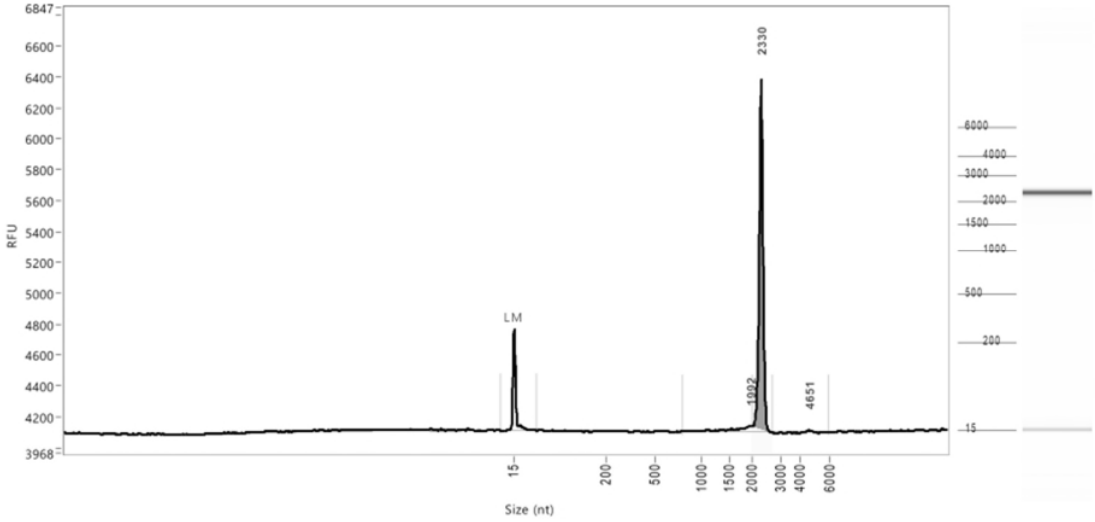
FIG. 1


RFU
Size (nt)
LM
2303
1976
4551

a


RFU
Size (nt)
LM
2290
1920
4601

b


RFU
Size (nt)
LM
2330
1992
4651

c

FIG. 2

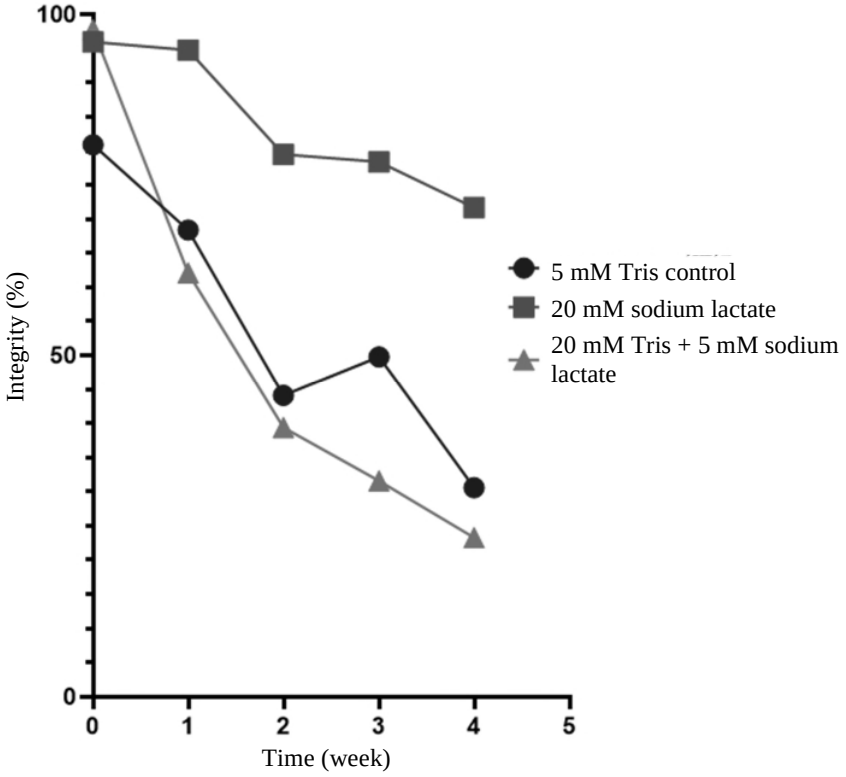
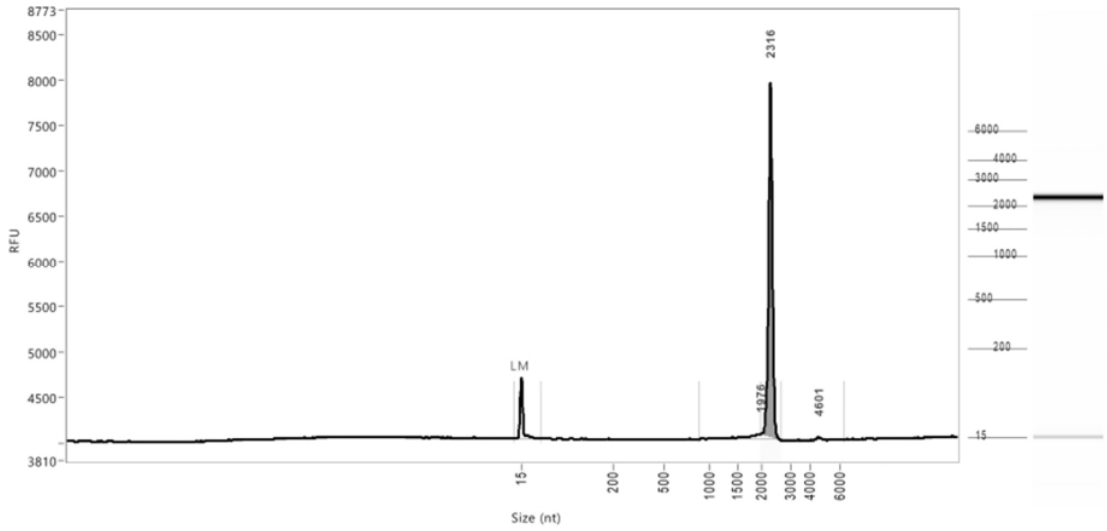
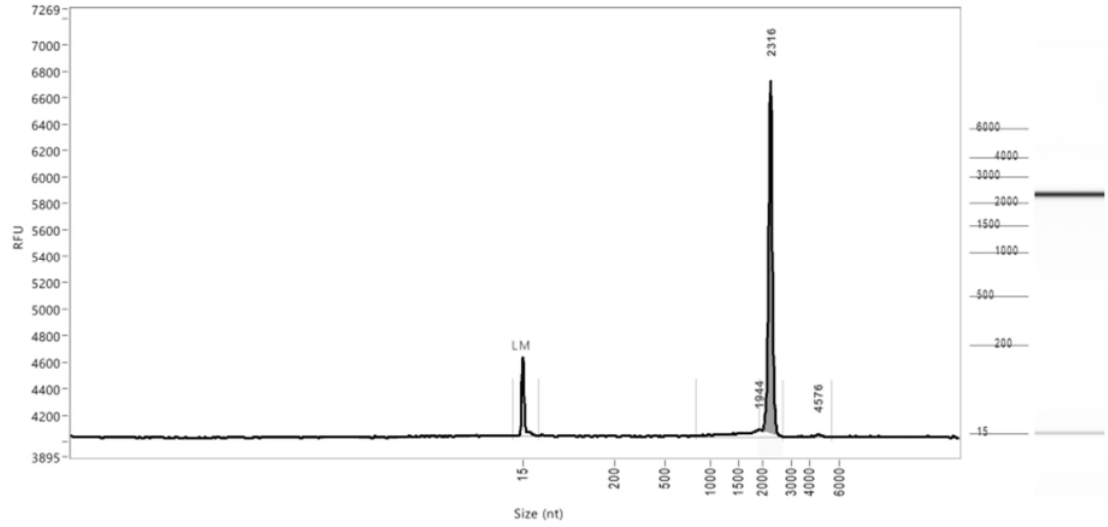

100
50
0
Integrity (%)
0
1
2
3
4
5
Time (week)
5 mM Tris control
20 mM sodium lactate
20 mM Tris + 5 mM sodium lactate

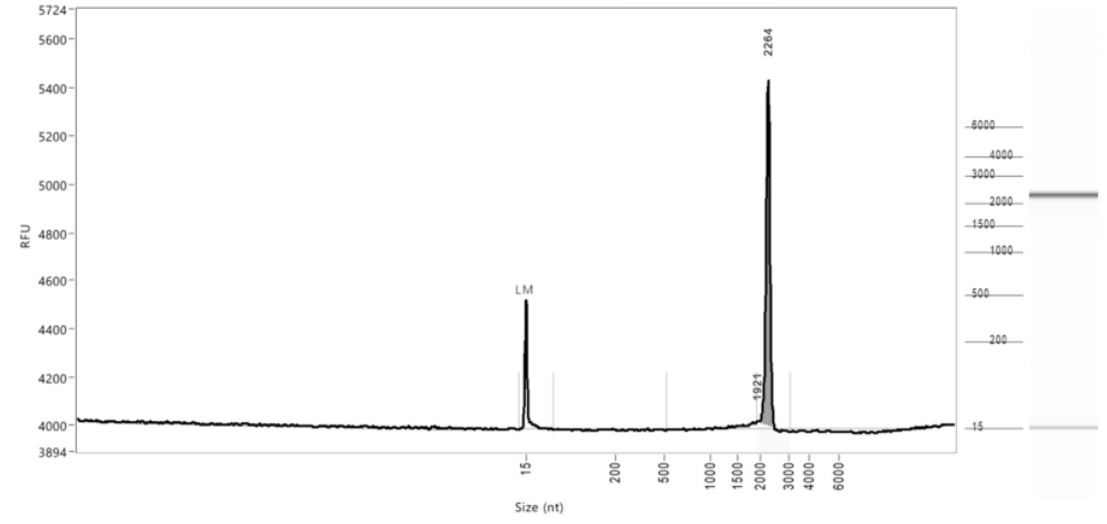
FIG. 3


RFU
Size (nt)
LM
2316
1976
4601

a


RFU
Size (nt)
LM
2316
1944
4576

b


RFU
Size (nt)
LM
2264
1921

c

FIG. 4

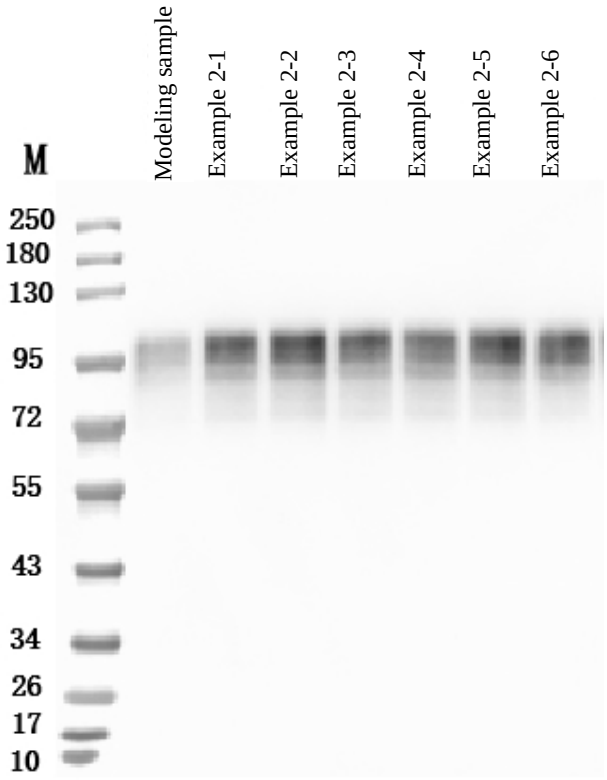

M
Modeling sample
Example 2-1
Example 2-2
Example 2-3
Example 2-4
Example 2-5
Example 2-6
250
180
130
95
72
55
43
34
26
17
10

FIG. 5

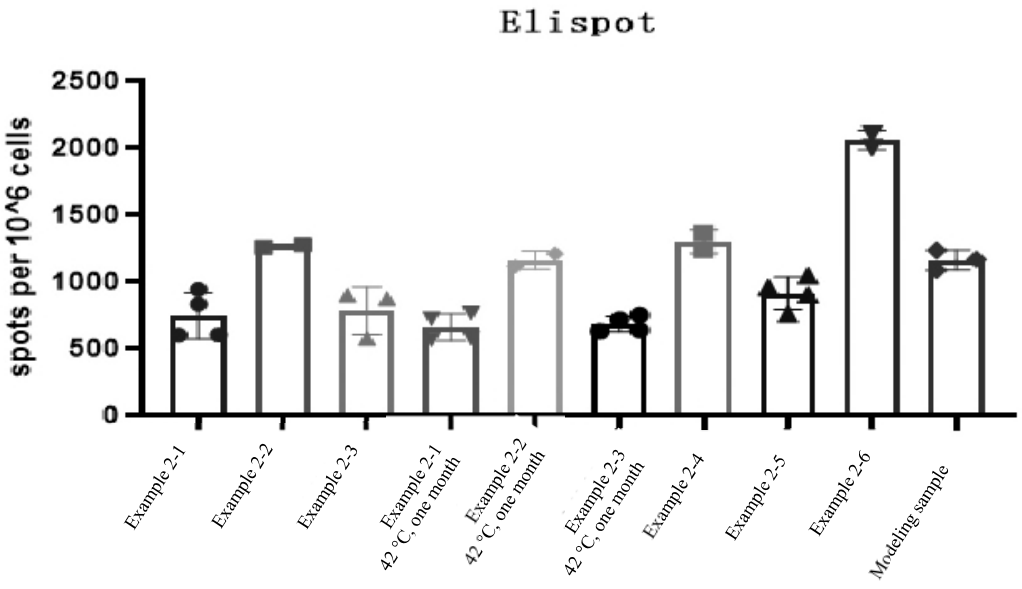

Elispot
spots per 10^6 cells
2500
2000
1500
1000
500
0
Example 2-1
Example 2-2
Example 2-3
Example 2-1 42 °C, one month
Example 2-2 42 °C, one month
Example 2-3 42 °C, one month
Example 2-4
Example 2-5
Example 2-6
Modeling sample

FIG. 6

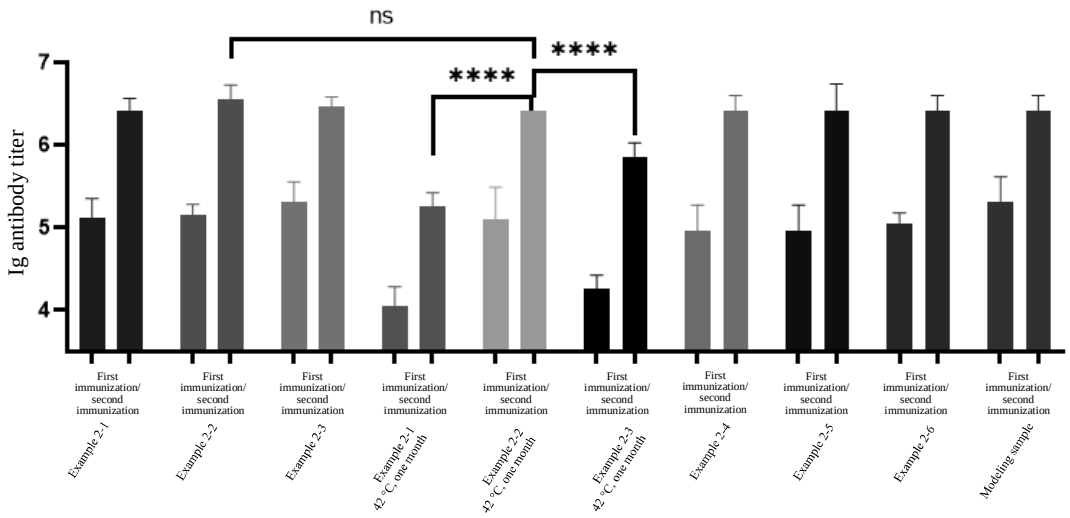

ns
****
****
Ig antibody titer
7
6
5
4
First immunization/ second immunization
Example 2-1
Example 2-2
Example 2-3
Example 2-1 42 °C, one month
Example 2-2 42 °C, one month
Example 2-3 42 °C, one month
Example 2-4
Example 2-5
Example 2-6
Modeling sample

FIG. 7

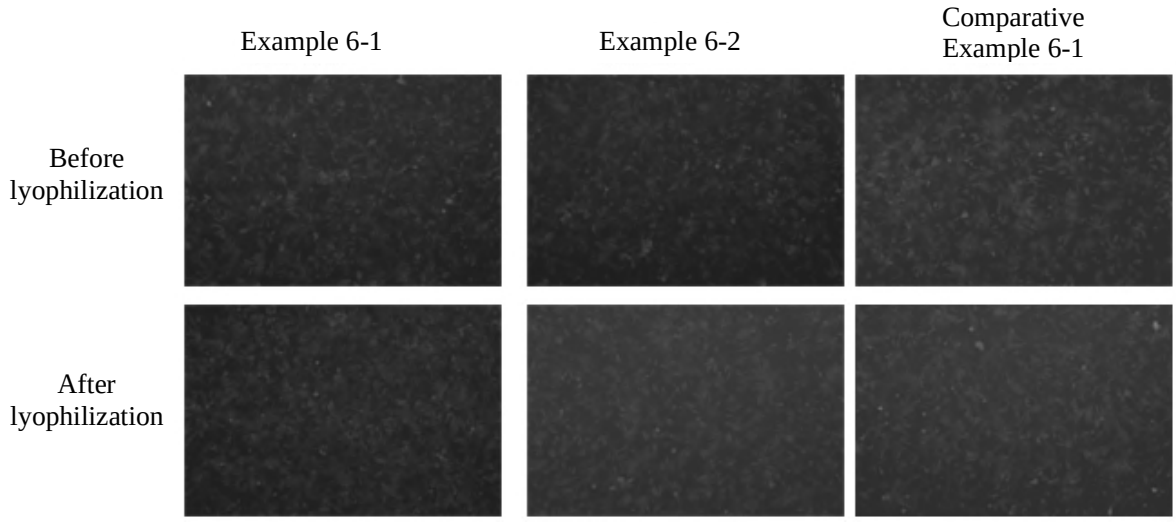

Example 6-1
Example 6-2
Comparative Example 6-1
Before lyophilization
After lyophilization

FIG. 8

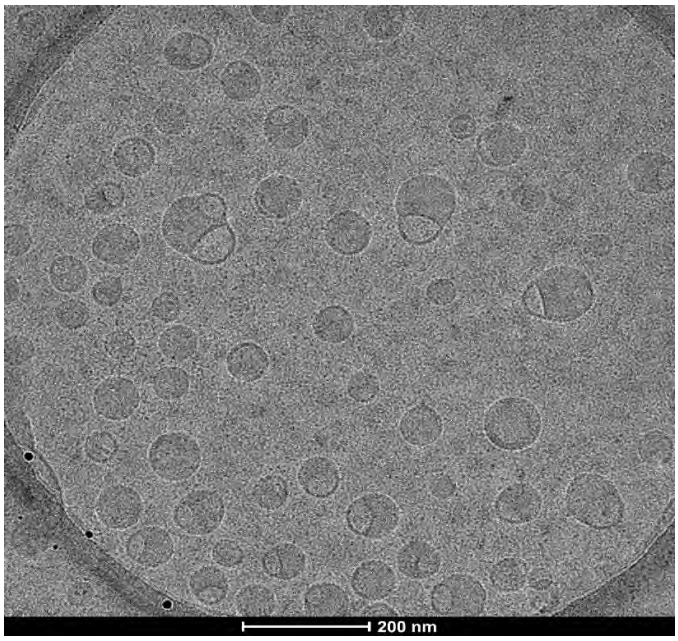


FIG. 9

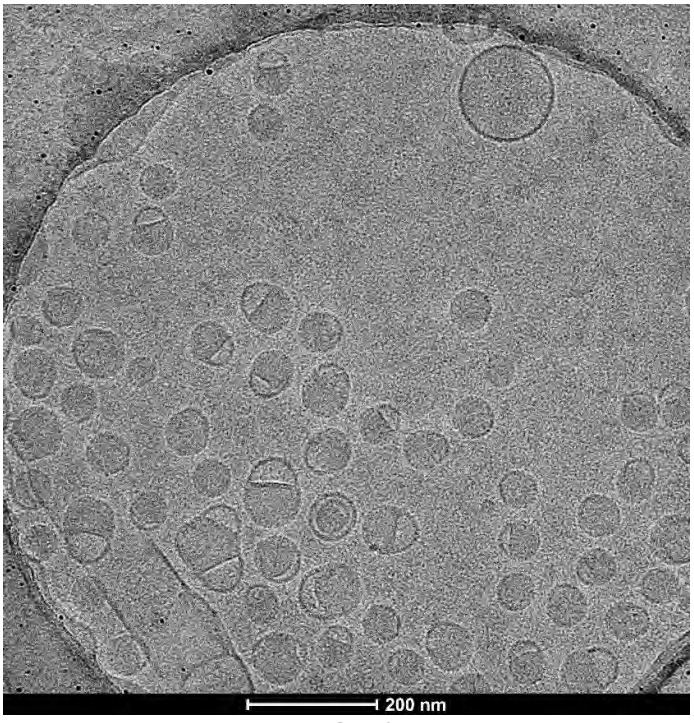


FIG. 10

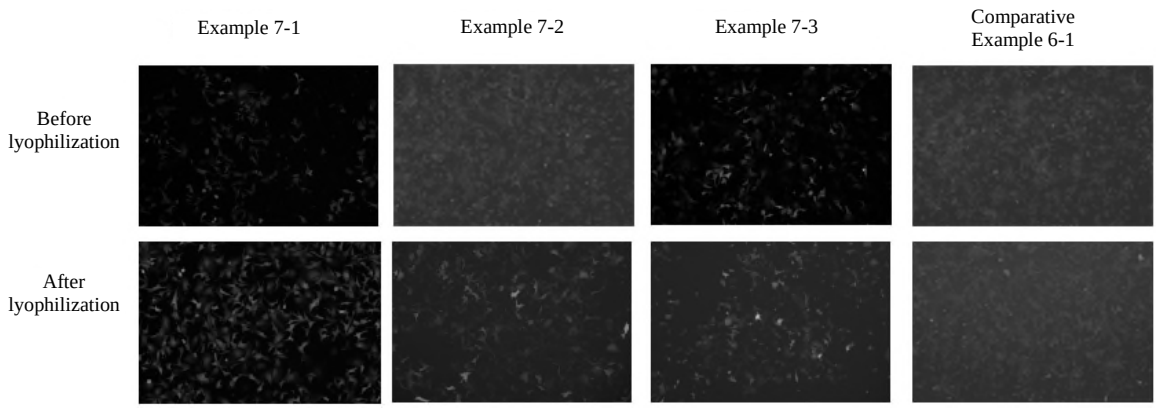

Example 7-1
Example 7-2
Example 7-3
Comparative Example 6-1
Before lyophilization
After lyophilization

FIG. 11

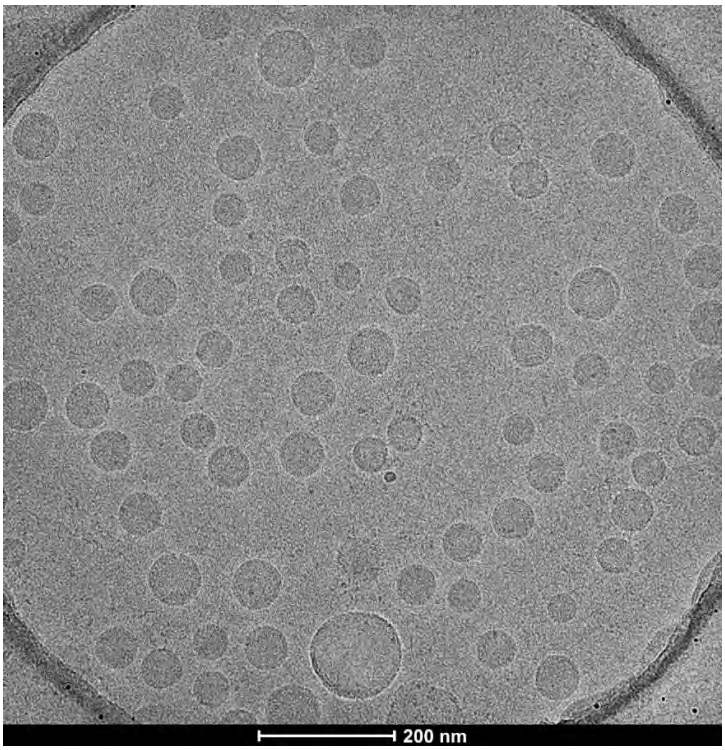

200 nm

FIG. 12

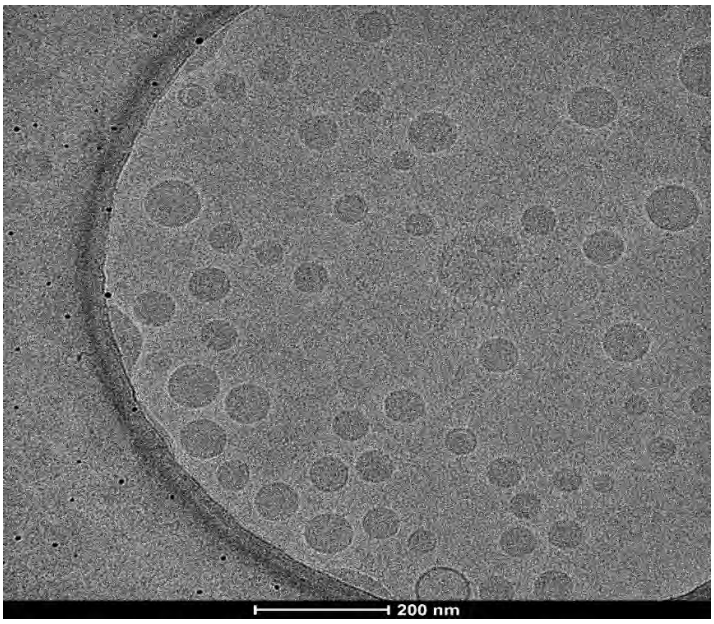


FIG. 13

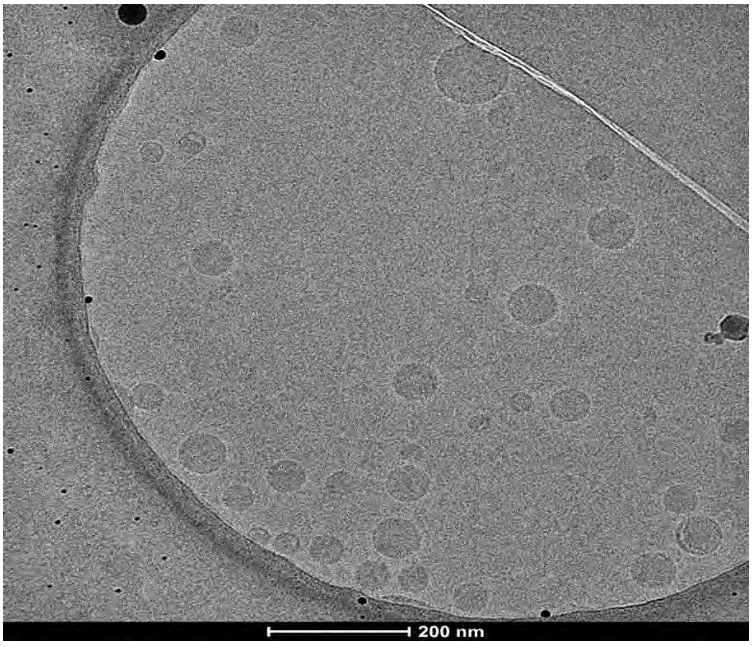


FIG. 14