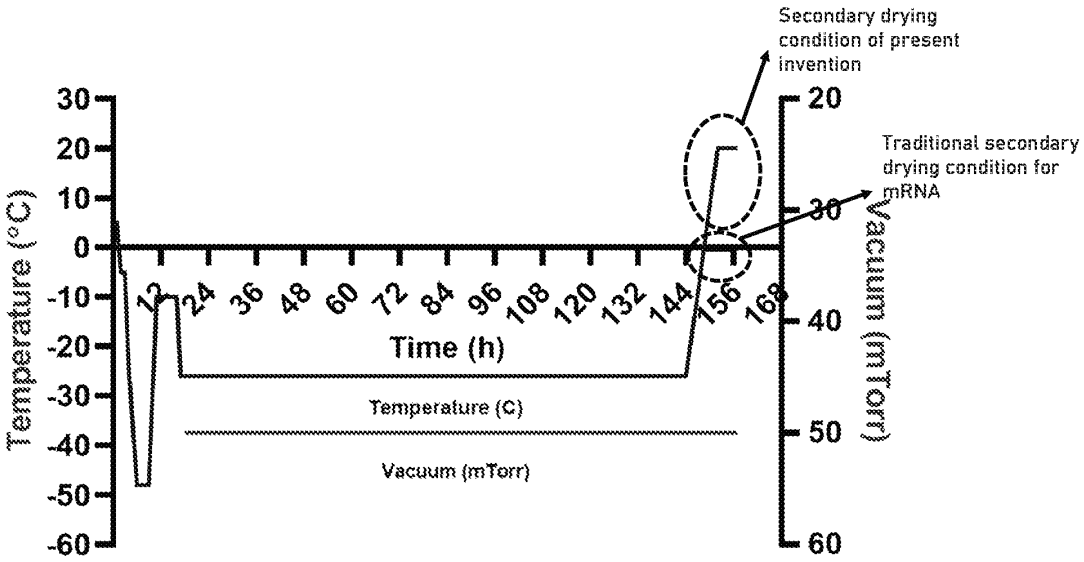

Secondary drying condition of present invention
Traditional secondary drying condition for mRNA
Temperature (°C)
Vacuum (mTorr)
Time (h)
Temperature (C)
Vacuum (mTorr)
30
20
10
0
-10
-20
-30
-40
-50
-60
20
30
40
50
60
12
24
36
48
60
72
84
96
108
120
132
144
156
168

Figure 1

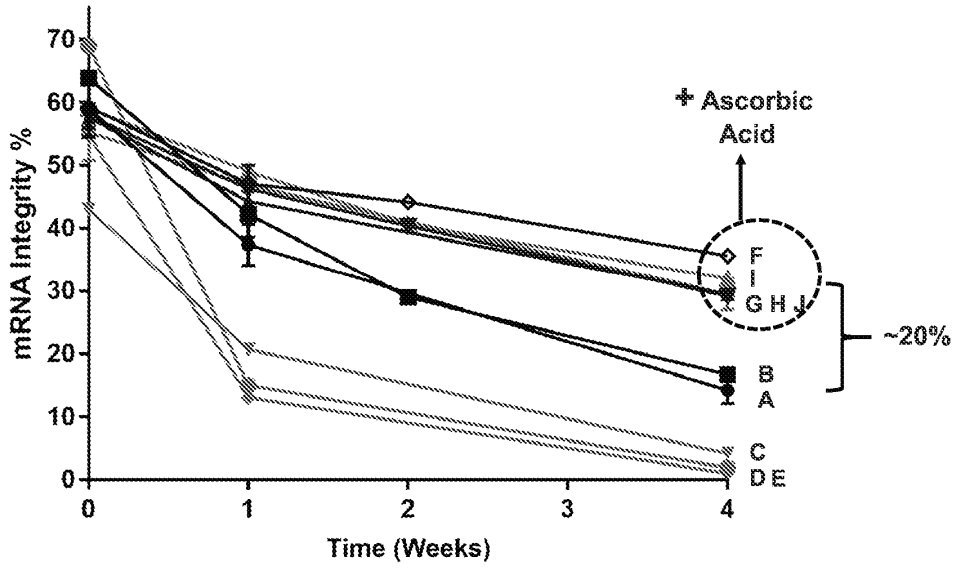
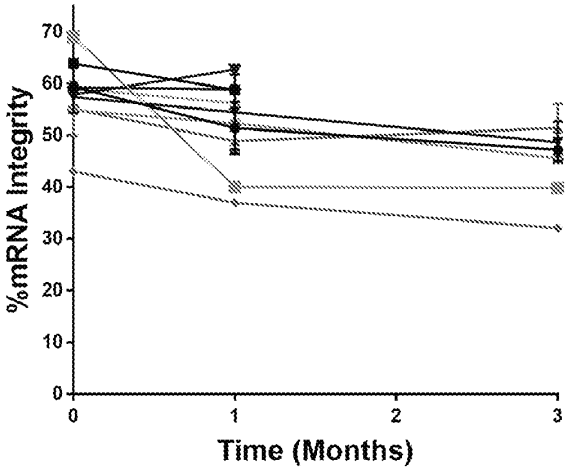

mRNA Integrity %
70
60
50
40
30
20
10
0
0
1
2
3
4
Time (Weeks)
+ Ascorbic Acid
F
I
G H J
~20%
B
A
C
D E

Figure 2



Sample	%mRNA integrity after X Months		
	0	1	3
A	59	51	47
B	64	59	
C	43	37	32
D	55	52	46
E	69	48	48
F	59	59	
G	57	55	49
H	58	63	
I	59	56	
J	55	49	51

Figure 3

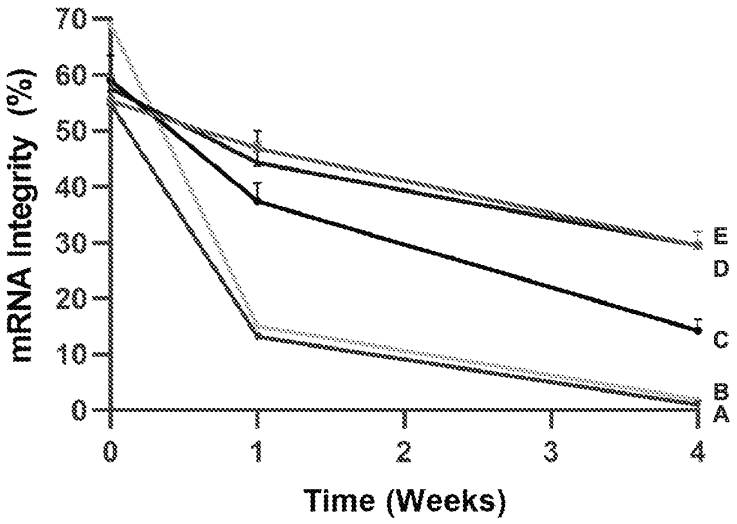


Figure 4

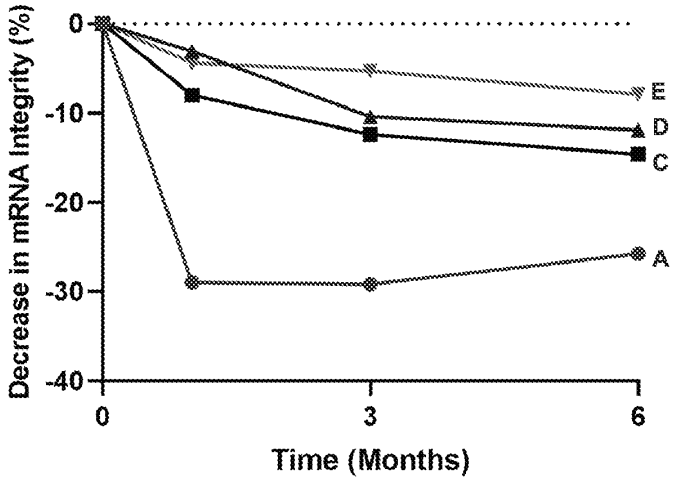


Figure 5

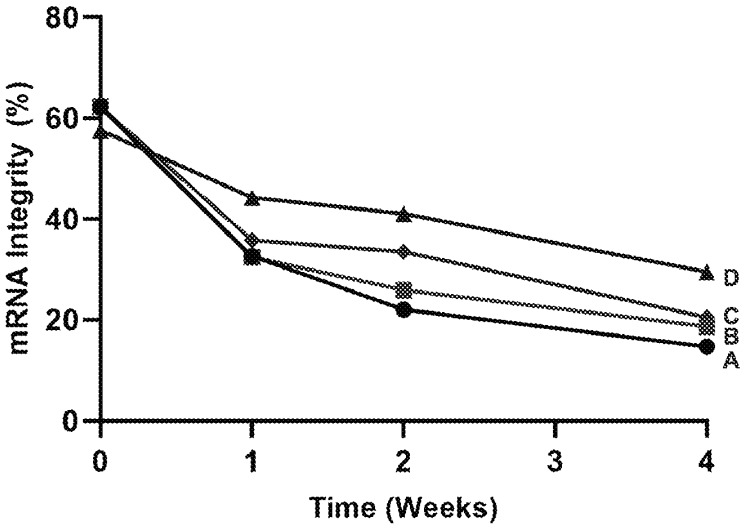


Figure 6

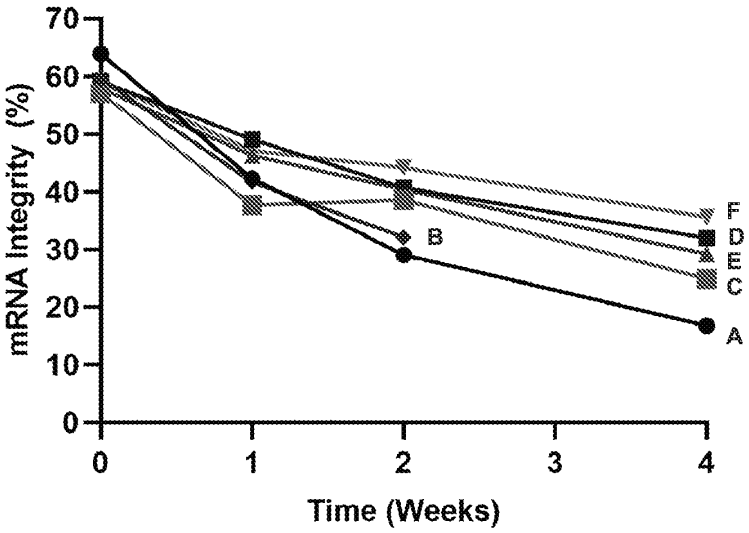


Figure 7