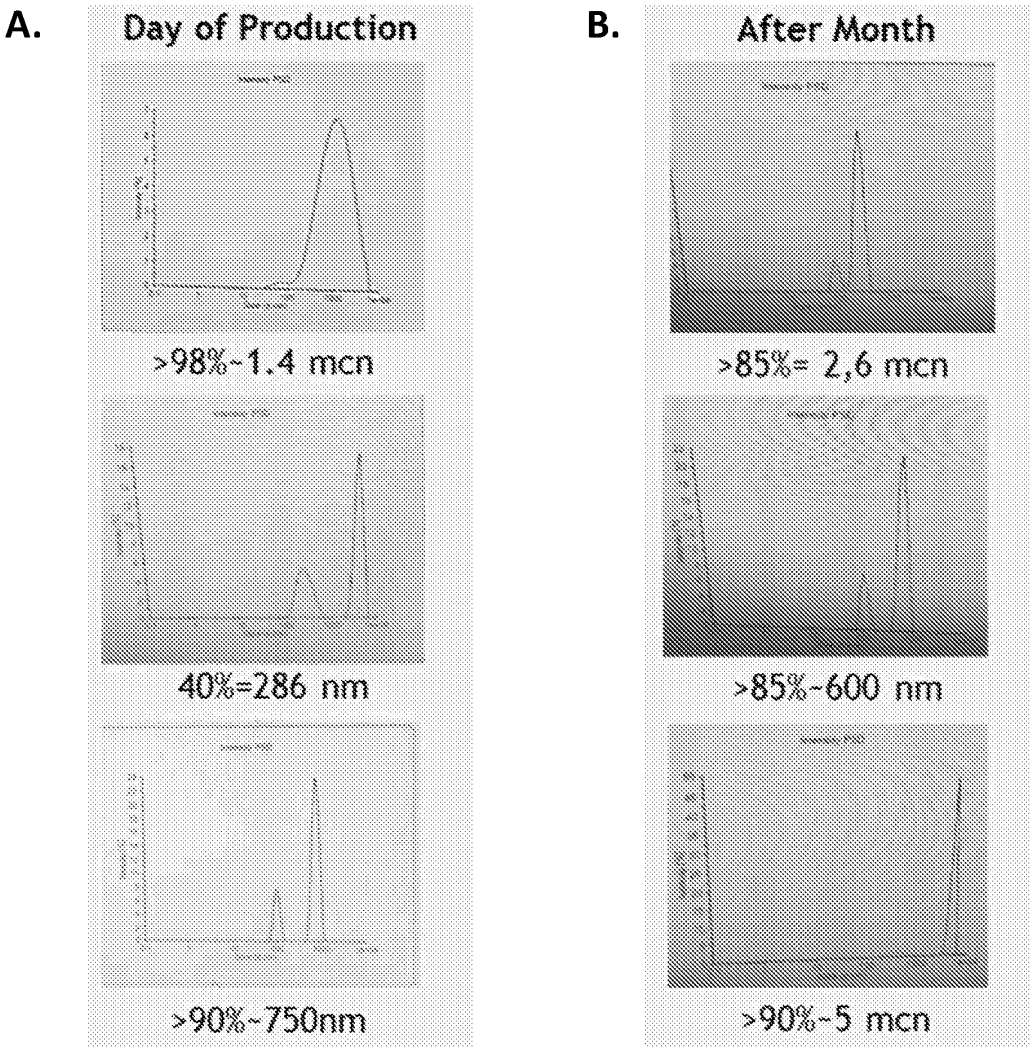
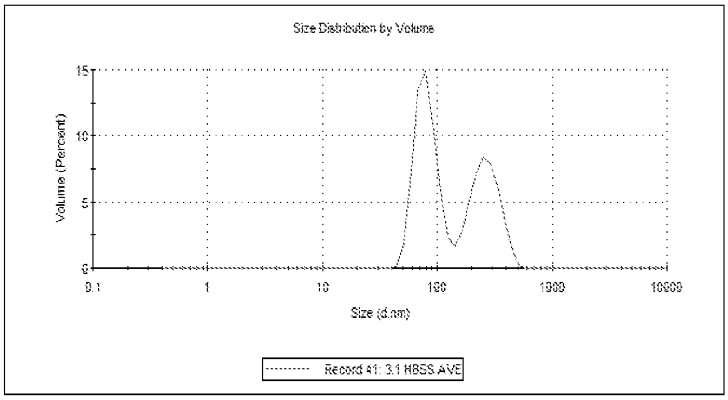

A.
Day of Production
>98%~1.4 mcn
40%=286 nm
>90%~750nm
B.
After Month
>85%= 2,6 mcn
>85%~600 nm
>90%~5 mcn

Fig. 1

A.

		Size (d.nm):	% Volume:	St Dev (d.nm):
Z-Average (d.nm): 161.3	Peak 1:	267.1	42.7	74.83
PdI: 0.239	Peak 2:	81.46	57.3	19.50
Intercept: 0.953	Peak 3:	0.000	0.0	0.000
Result quality : Good				



B.

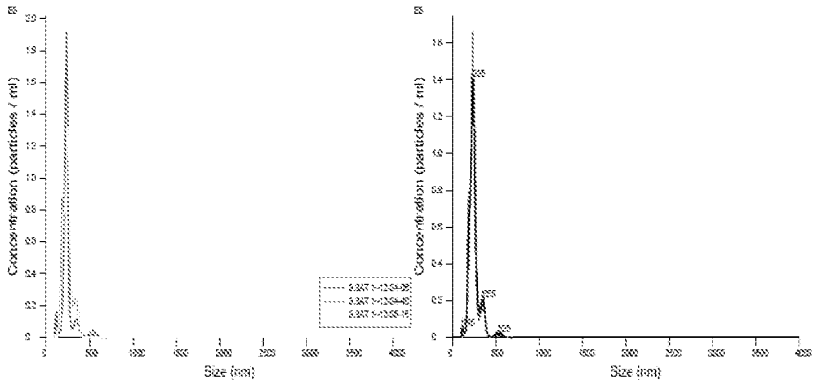
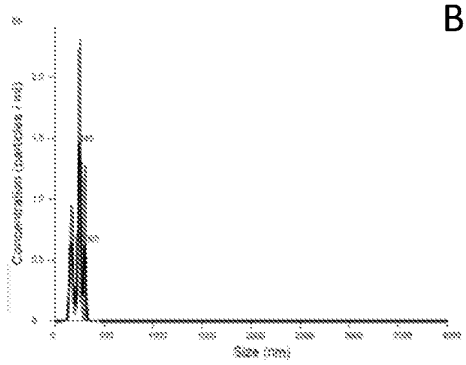
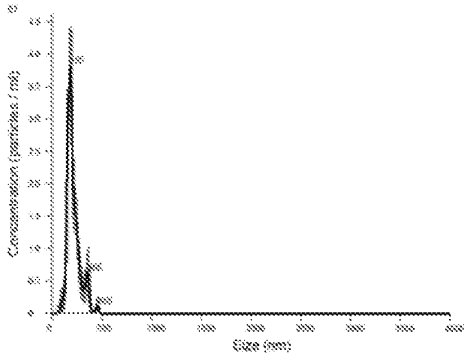


Fig.2

A.



B.



C.

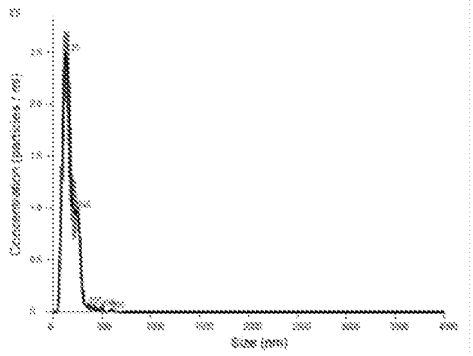


Fig. 3

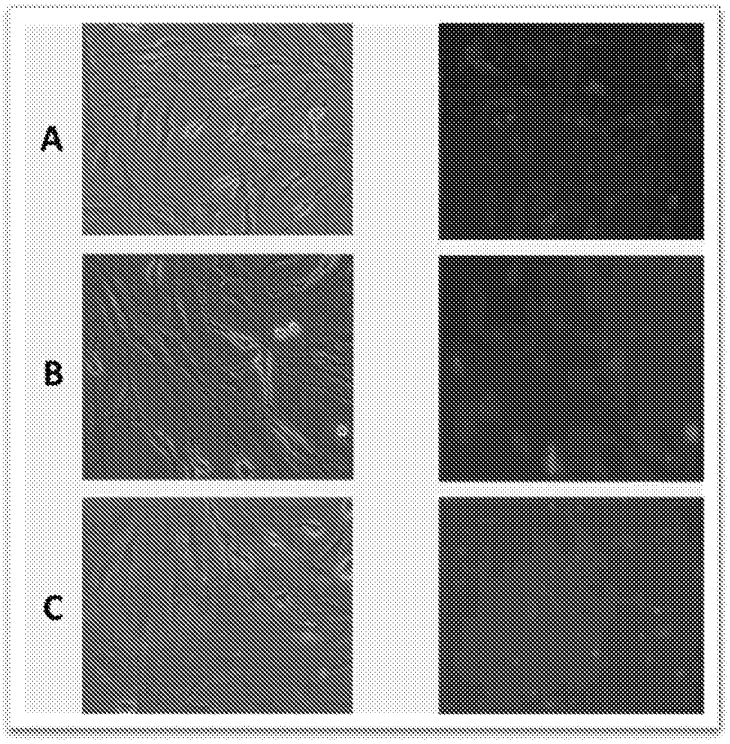


Fig. 4

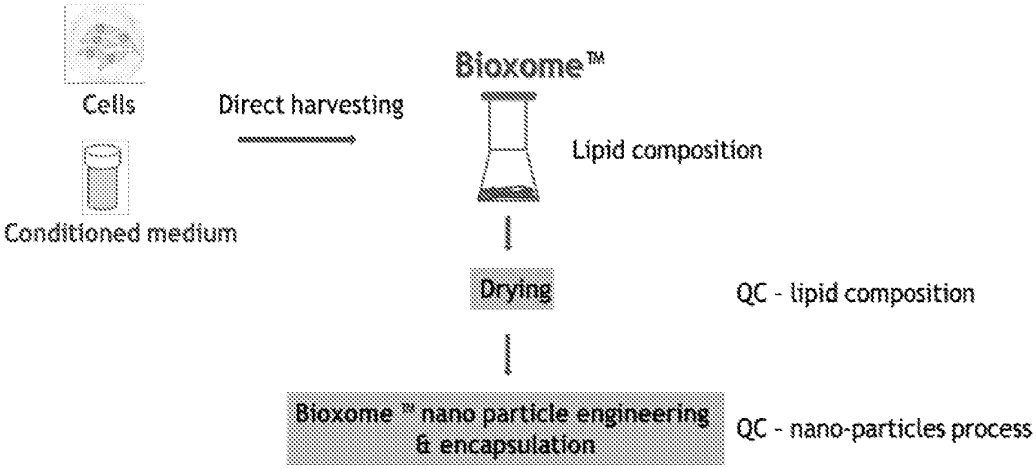
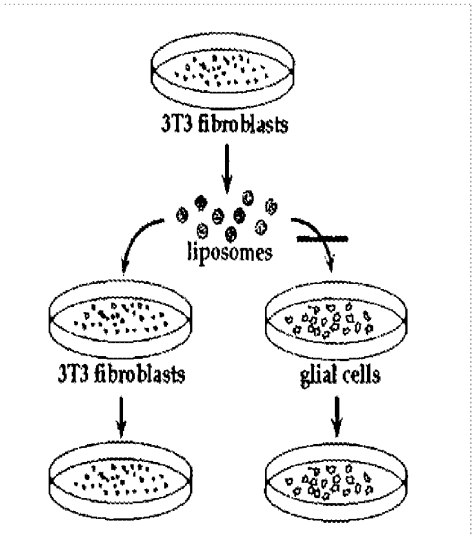

Cells
Direct harvesting
Bioxome™
Lipid composition
Conditioned medium
Drying
QC - lipid composition
Bioxome ™ nano particle engineering & encapsulation
QC - nano-particles process

Fig.5

A


3T3 fibroblasts
liposomes
3T3 fibroblasts
glial cells

B

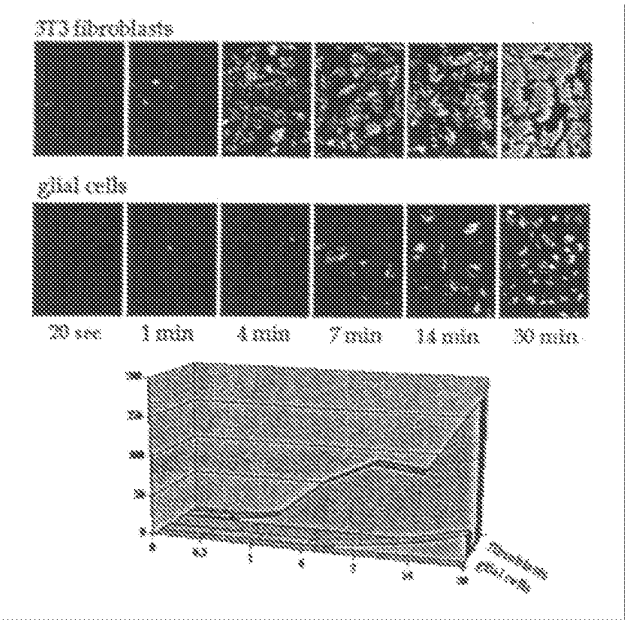

3T3 fibroblasts
glial cells
20 sec
1 min
4 min
7 min
14 min
30 min

Fig.6

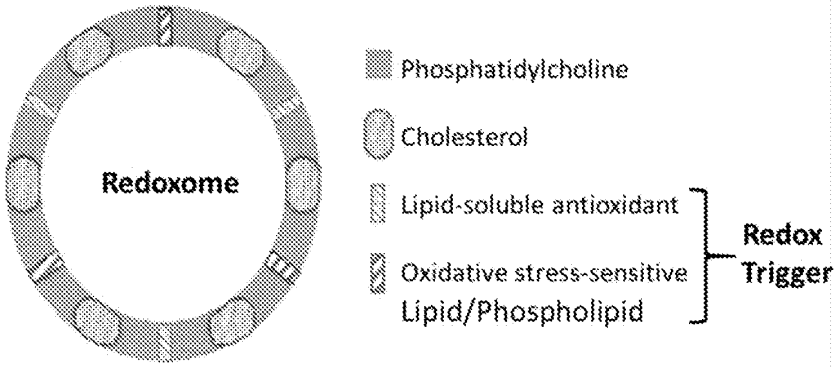

Redoxome
Phosphatidylcholine
Cholesterol
Lipid-soluble antioxidant
Oxidative stress-sensitive Lipid/Phospholipid
Redox Trigger

Fig. 7

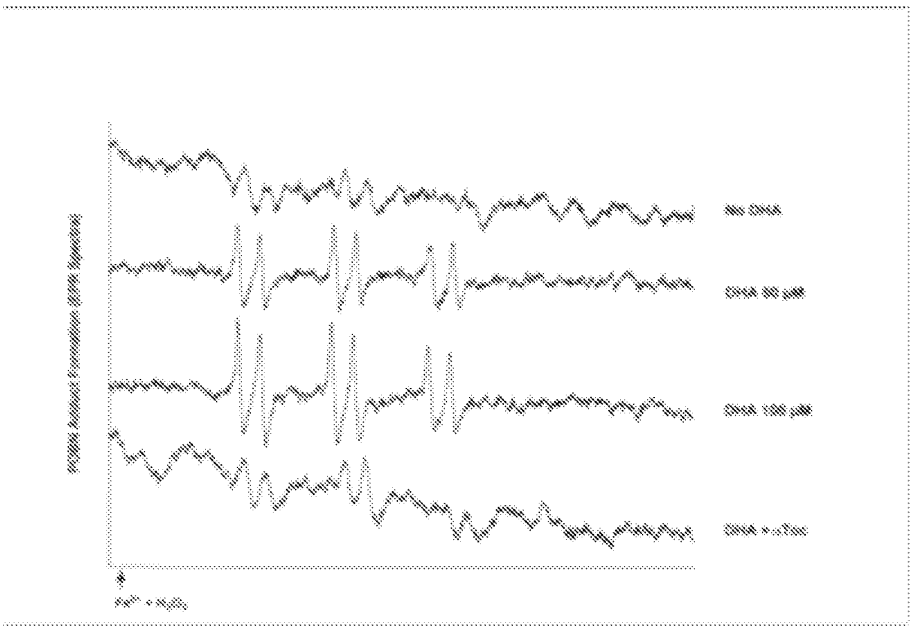
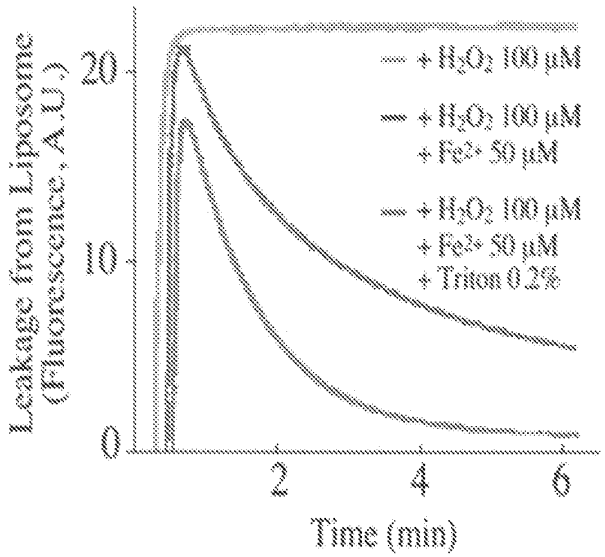


Fig. 8

A


Leakage from Liposome (Fluorescence, A.U.)
20
10
0
2
4
6
Time (min)
+ H_2O_2 100 μM
+ H_2O_2 100 μM + Fe^{2+} 50 μM
+ H_2O_2 100 μM + Fe^{2+} 50 μM + Triton 0.2%

B

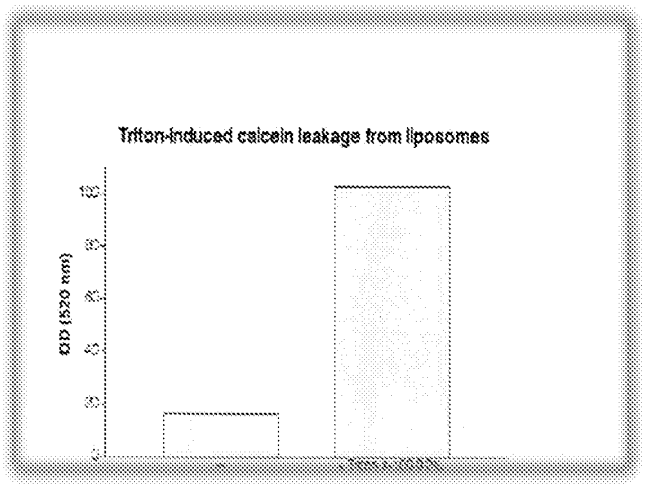
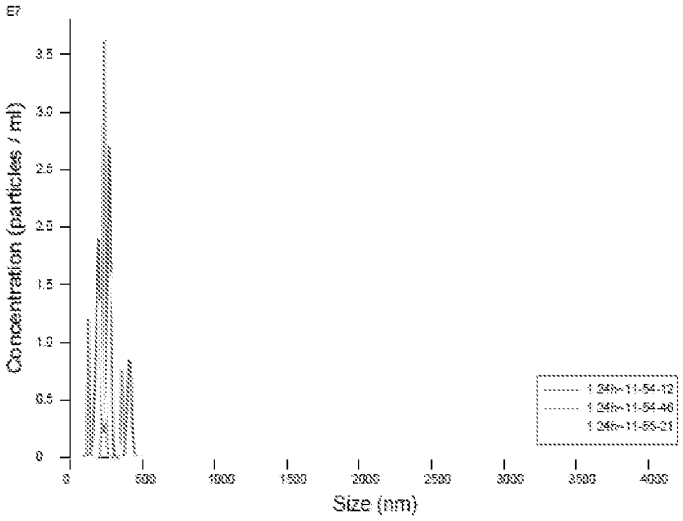

Triton-induced calcein leakage from liposomes
OD (520 nm)

Fig. 9

10/10

A.



FTLA Concentration / Size graph for Experiment:
1 24h 2019-03-06 11-52-50

B.

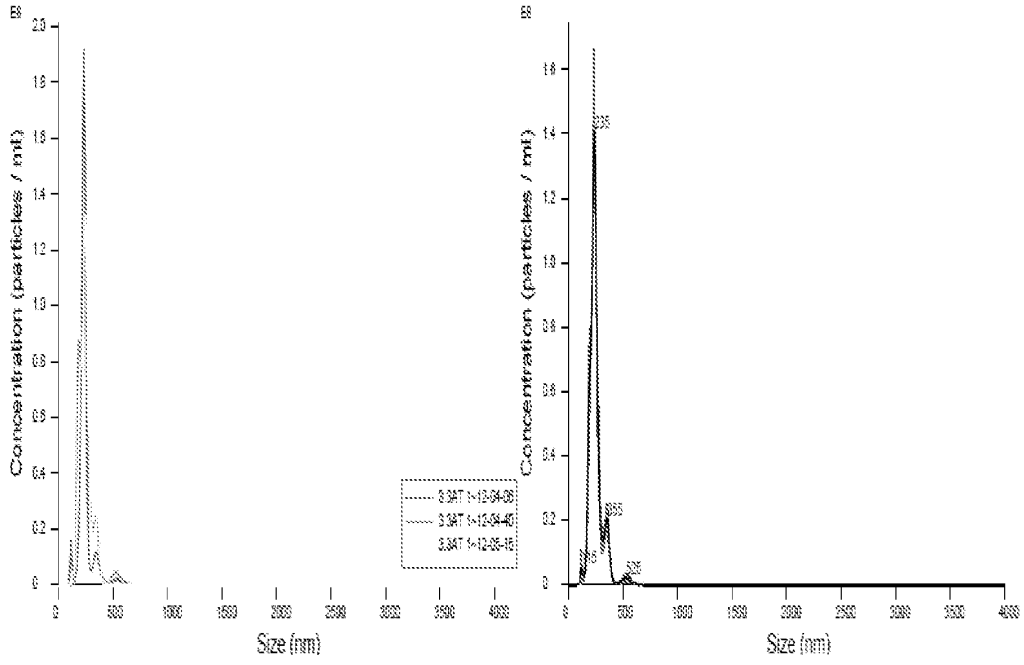


Fig.10