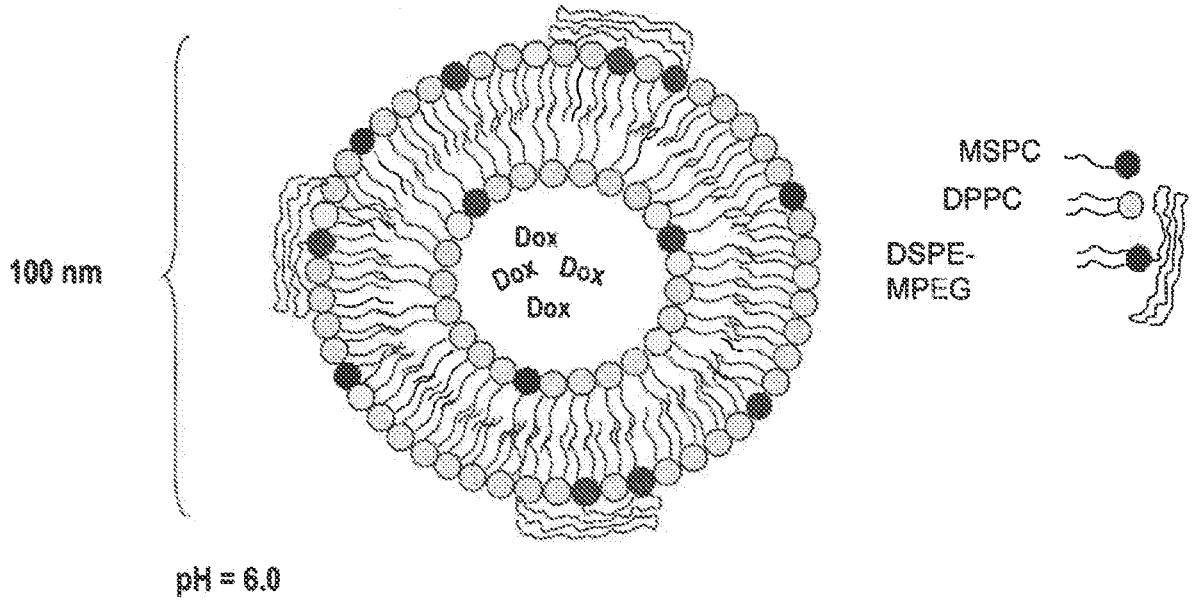


FIG. 1

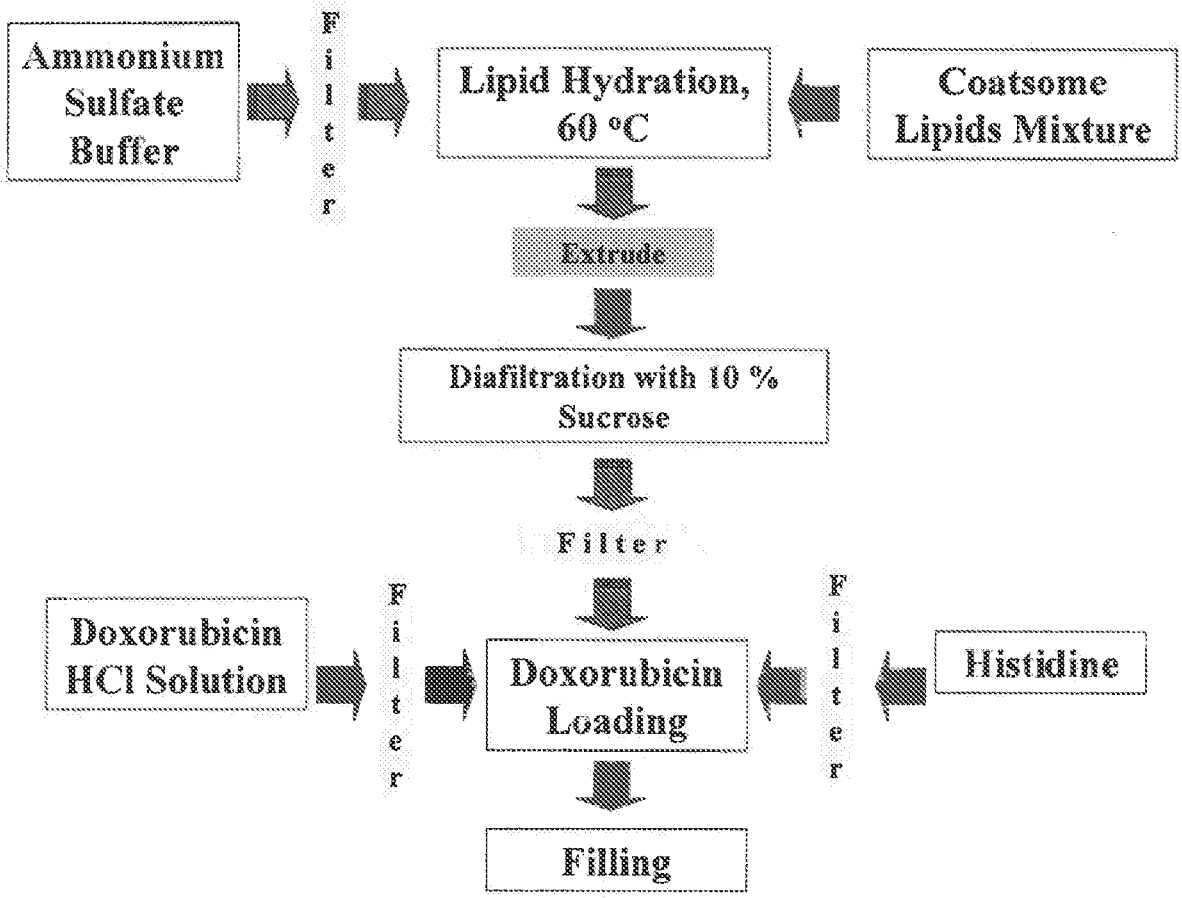
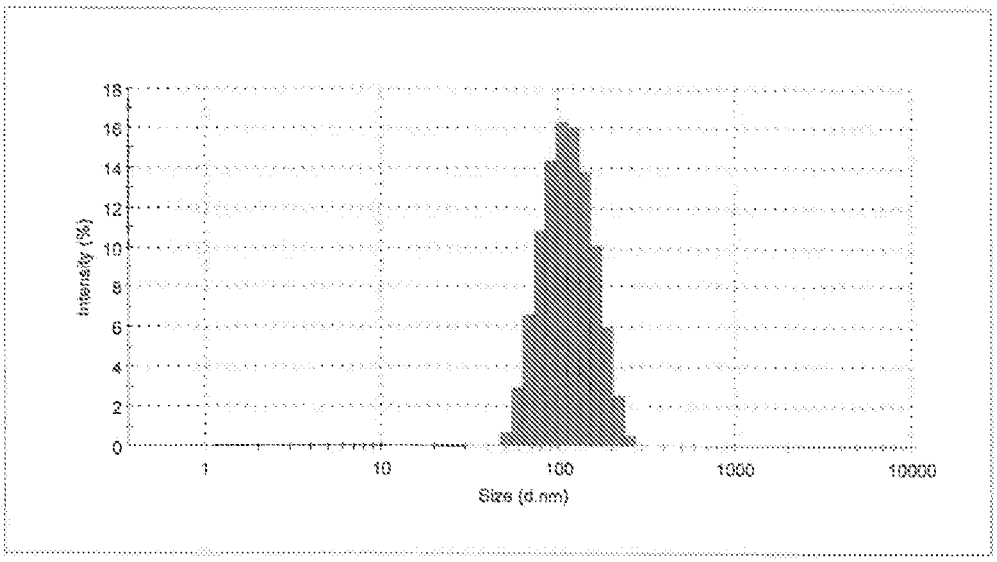

Ammonium Sulfate Buffer
Filter
Lipid Hydration, 60 °C
Coatsome Lipids Mixture
Extrude
Diafiltration with 10 % Sucrose
Filter
Doxorubicin HCl Solution
Filter
Doxorubicin Loading
Filter
Histidine
Filling

FIG. 2

Particle Size Distribution for pH-Loaded Formulation



Particle Size Distribution for Ammonium-Loaded Formulation

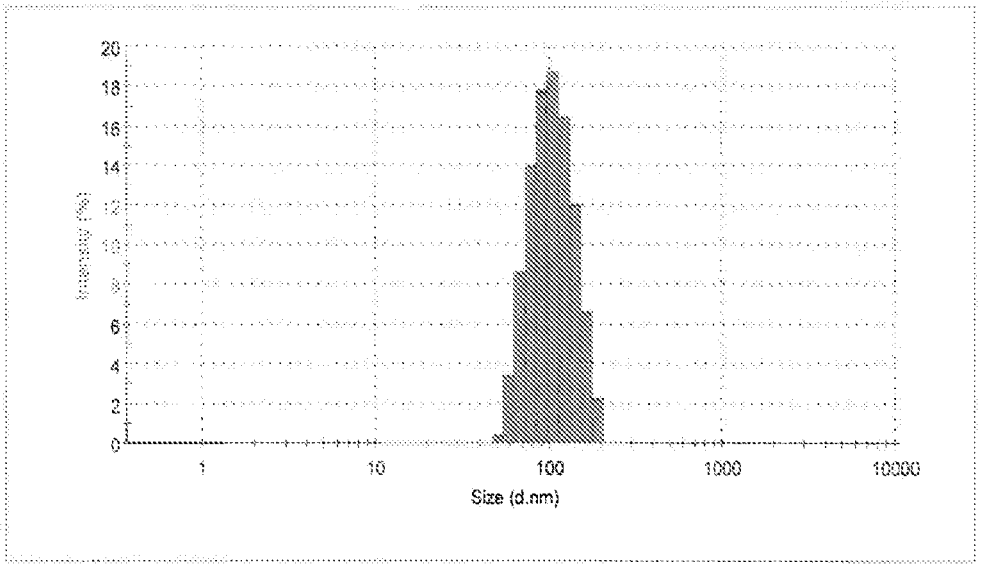


FIG. 3

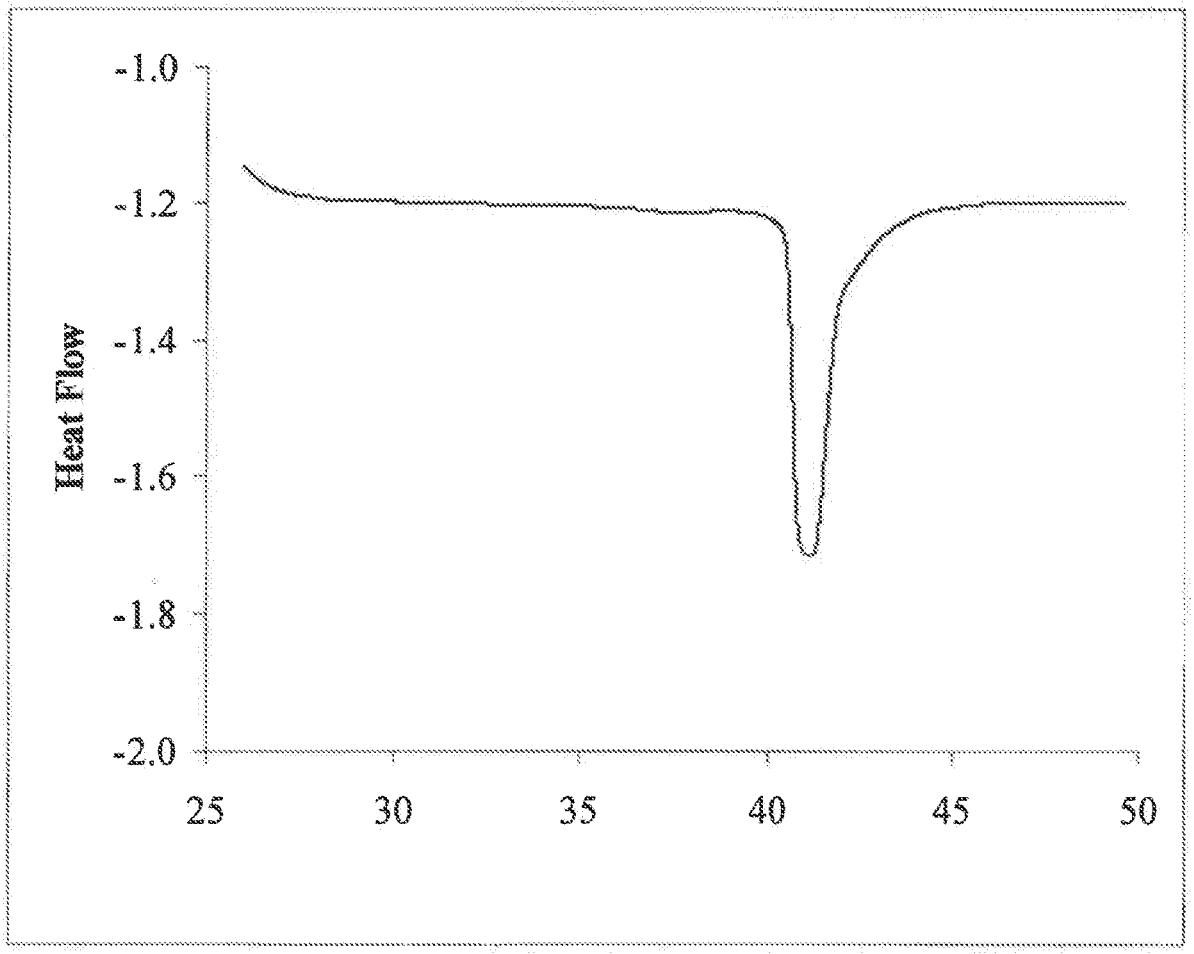


FIG. 4

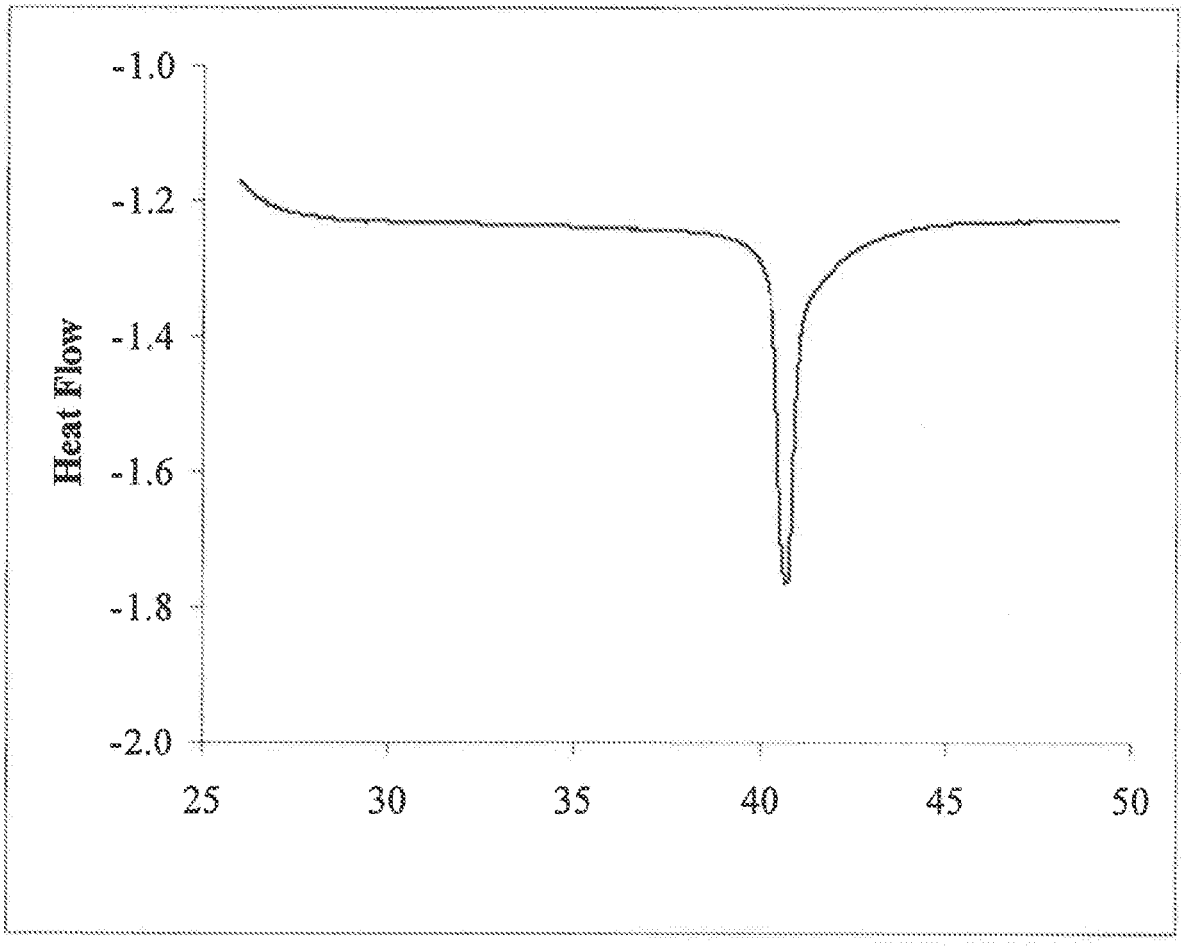


FIG. 5



FIG. 6


11ma-21b_00005eq_v01_00006h1_v01_00002en.mrc
Liposome Doxorubicin Lot: A001

FIG. 7

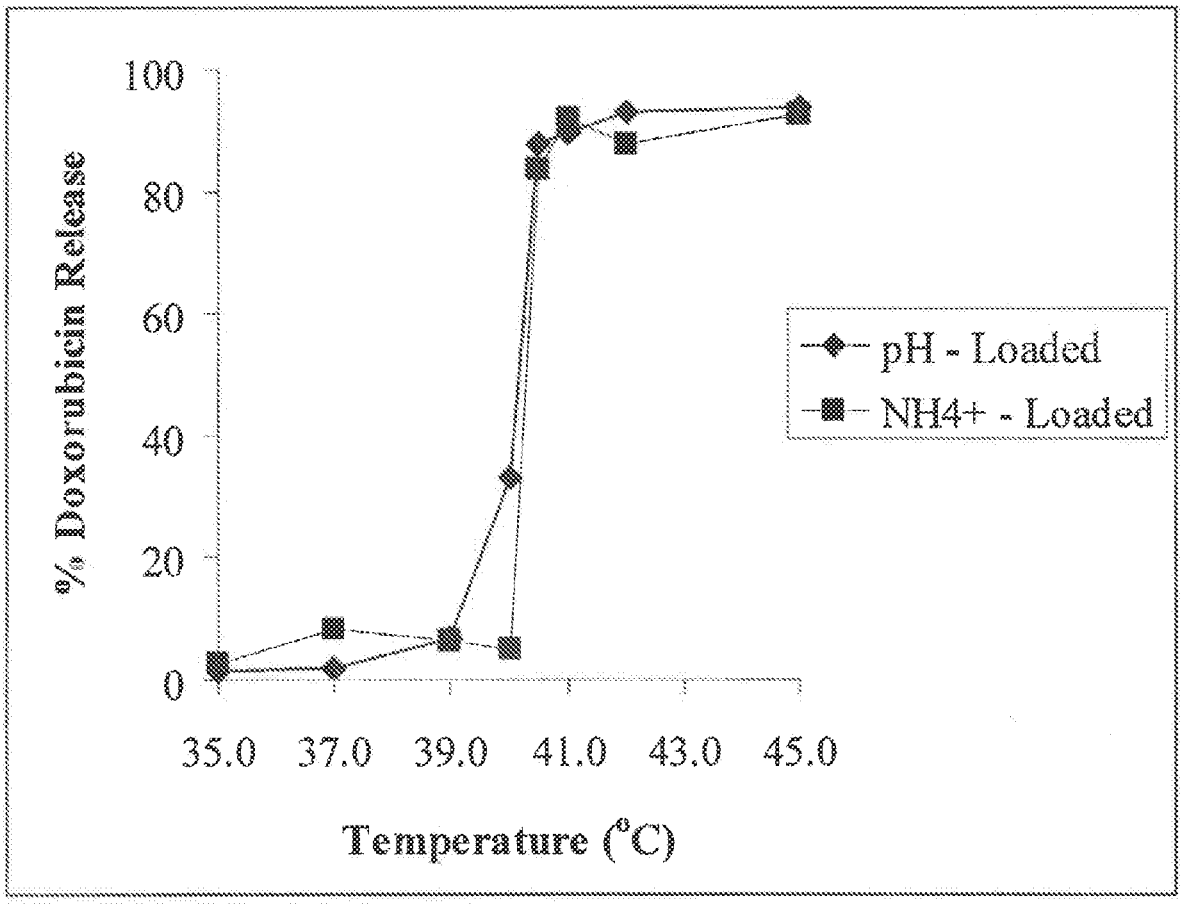

100
80
60
40
20
0
% Doxorubicin Release
35.0
37.0
39.0
41.0
43.0
45.0
Temperature (°C)
pH - Loaded
NH4+ - Loaded

FIG. 8

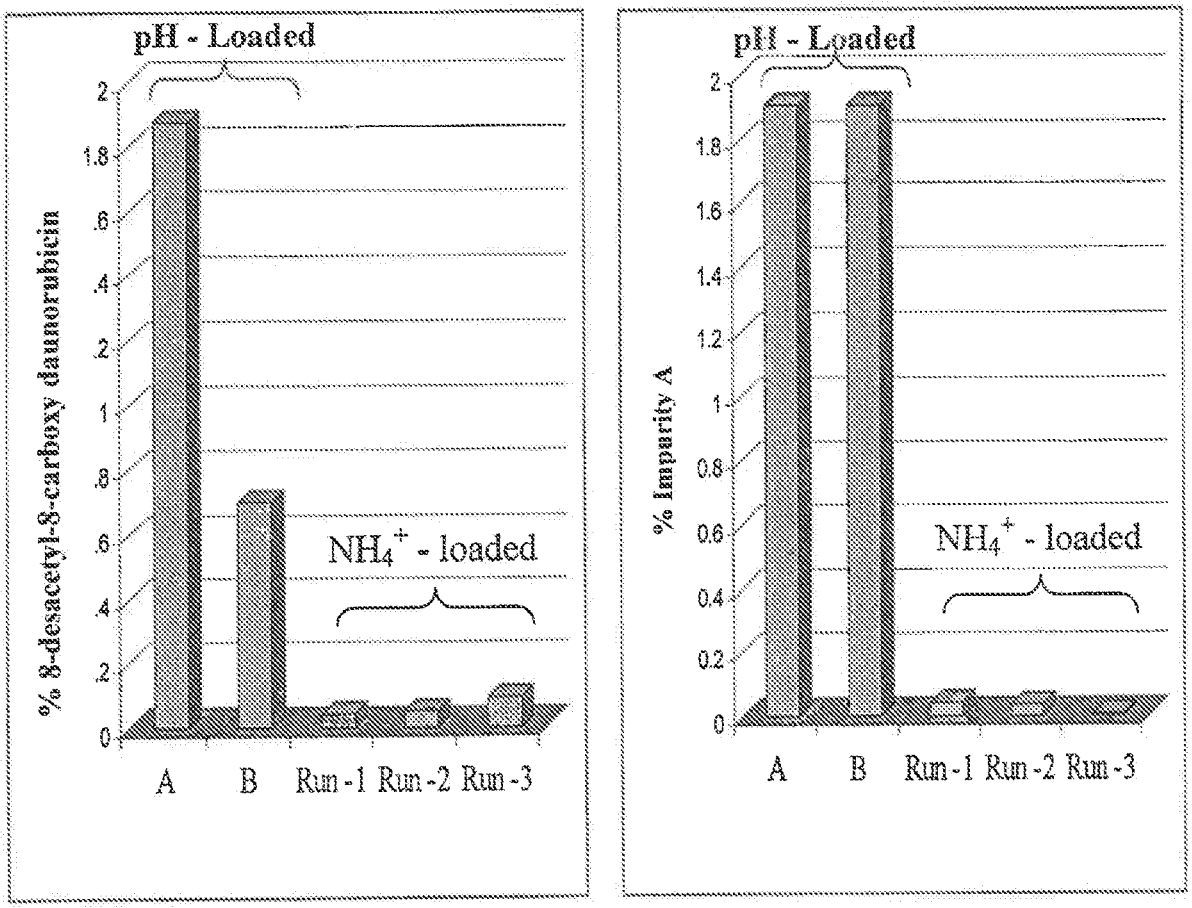

pH - Loaded
% 8-desacetyl-8-carboxy daunorubicin
2
1.8
.6
.4
.2
1
.8
.6
.4
.2
0
NH_4^+ - loaded
A
B
Run -1
Run -2
Run -3
pH - Loaded
% Impurity A
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
NH_4^+ - loaded
A
B
Run -1
Run -2
Run -3

FIG. 9

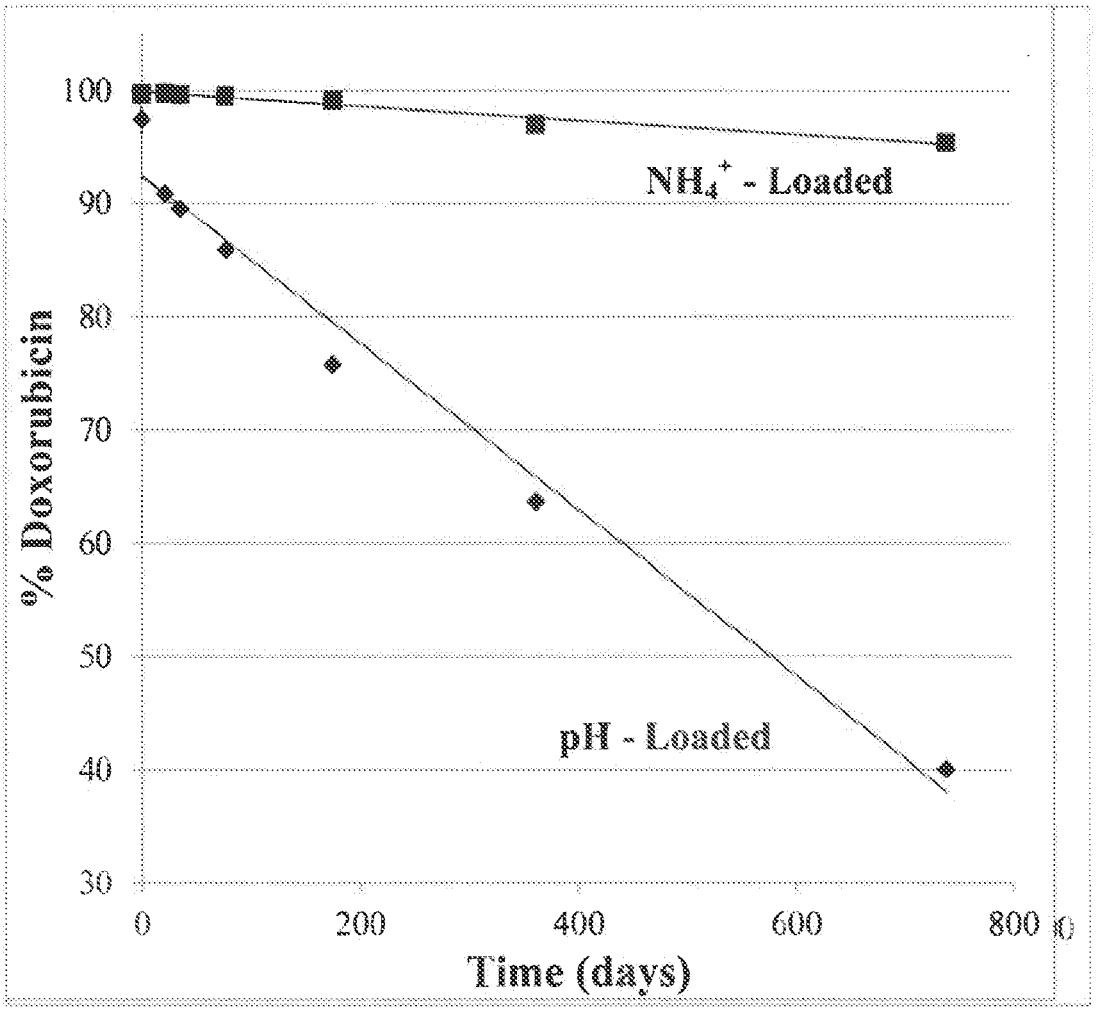

100
90
80
70
60
50
40
30
% Doxorubicin
0
200
400
600
800
Time (days)
NH_4^+ - Loaded
pH - Loaded

FIG. 10

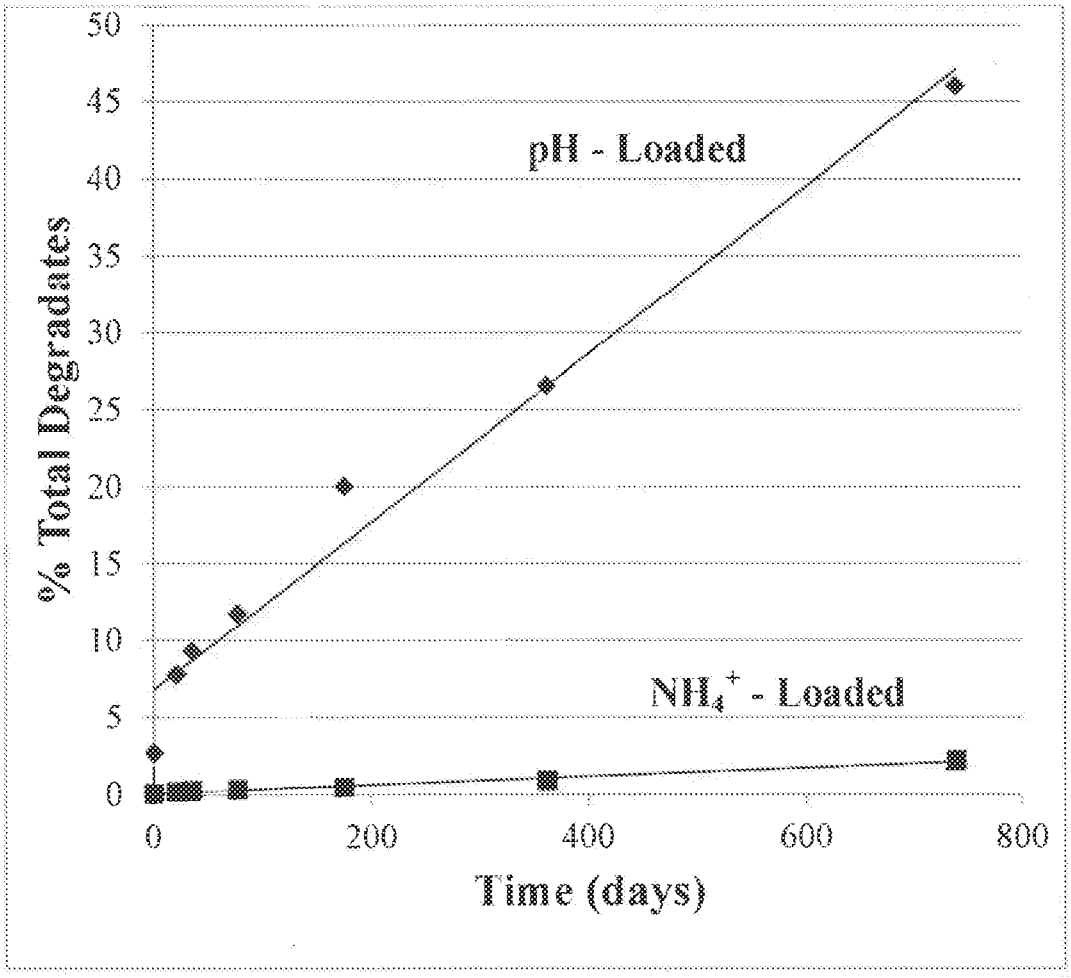

50
45
40
35
30
25
20
15
10
5
0
% Total Degradates
pH - Loaded
NH_4^+ - Loaded
0
200
400
600
800
Time (days)

FIG. 11

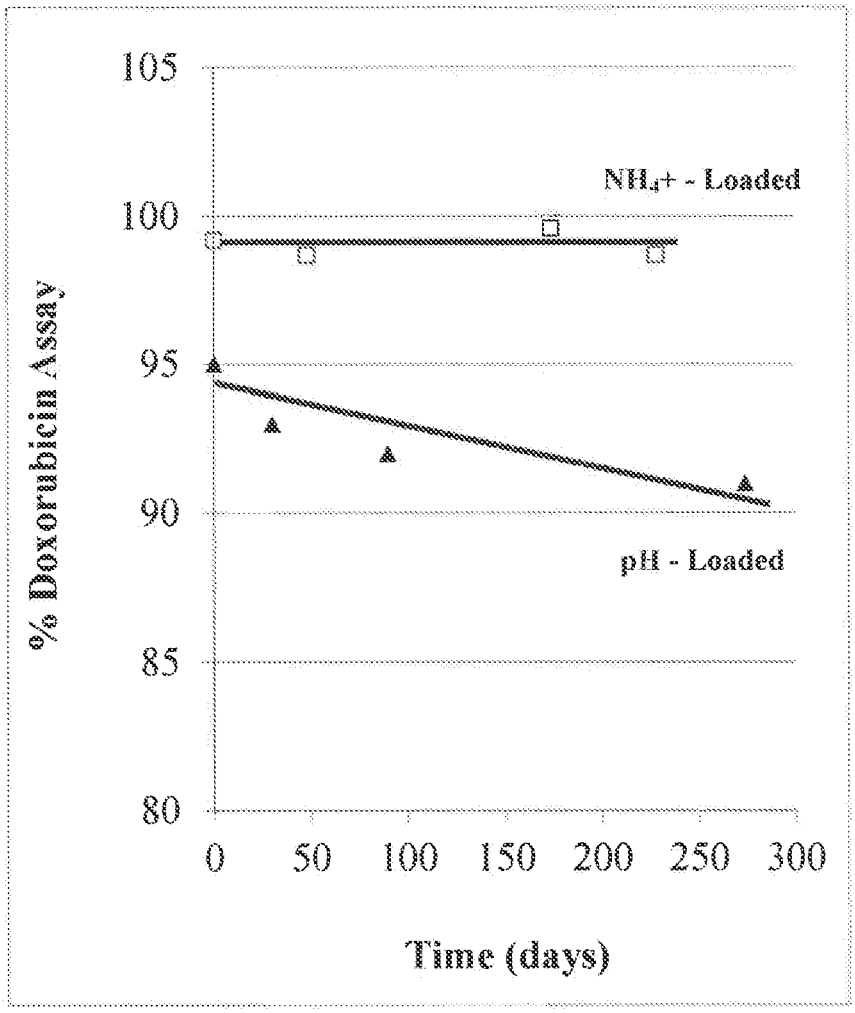

105
100
95
90
85
80
% Doxorubicin Assay
NH4+ - Loaded
pH - Loaded
0
50
100
150
200
250
300
Time (days)

FIG. 12

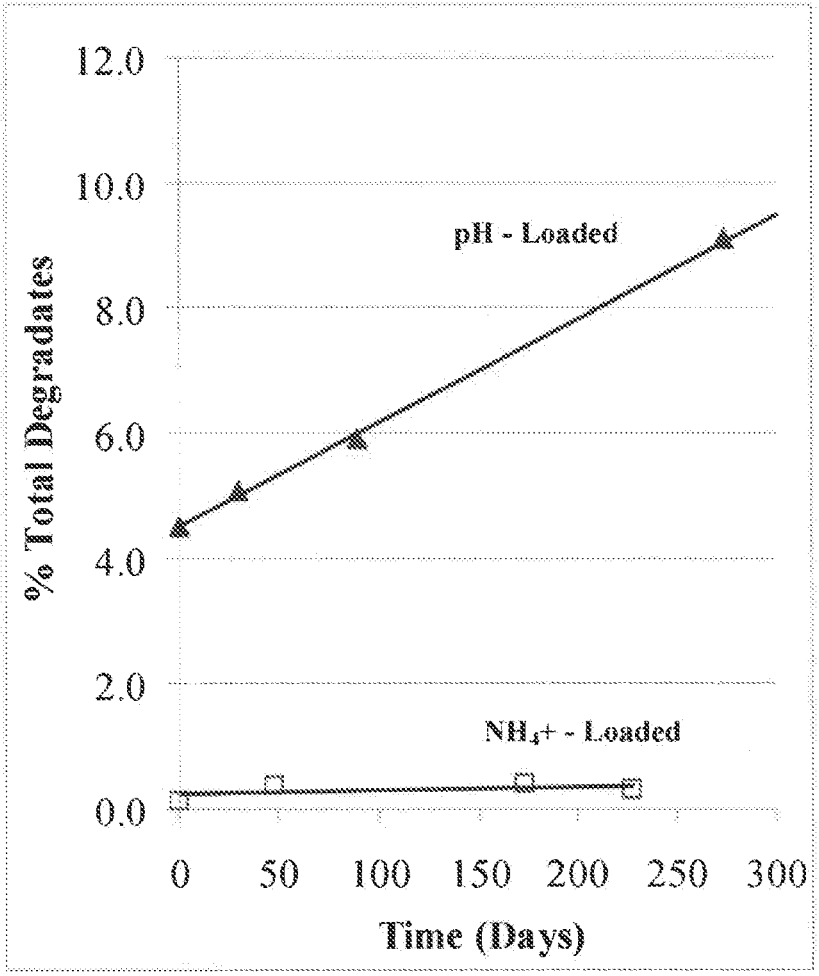

12.0
10.0
8.0
6.0
4.0
2.0
0.0
% Total Degradates
pH - Loaded
NH4+ - Loaded
0
50
100
150
200
250
300
Time (Days)

FIG. 13