


*FIG. 1*

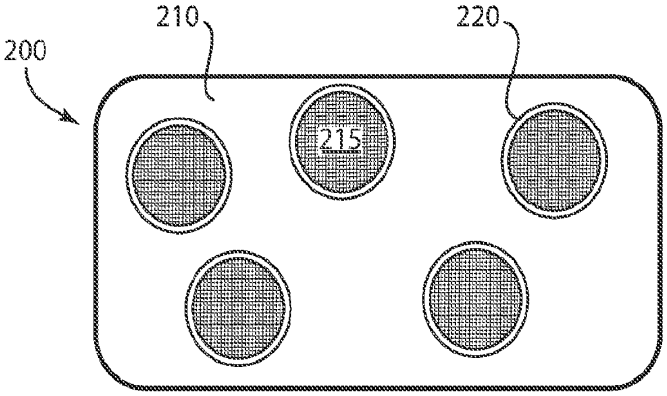



*FIG. 2*

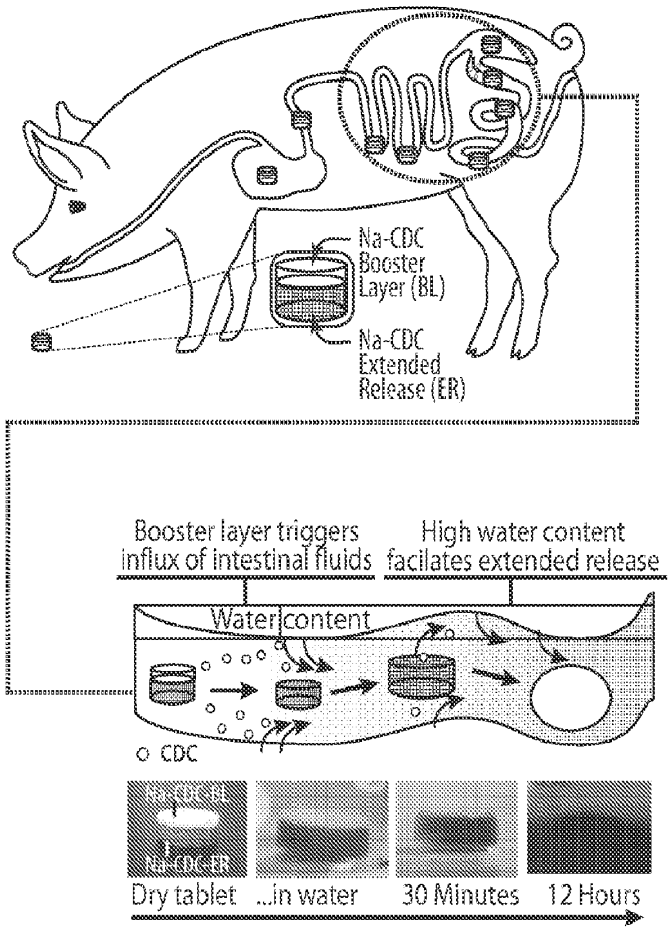

Na-CDC
Booster
Layer (BL)
Na-CDC
Extended
Release (ER)
Booster layer triggers
influx of intestinal fluids
High water content
facilates extended release
Water content
CDC
Dry tablet
...in water
30 Minutes
12 Hours

FIG. 3

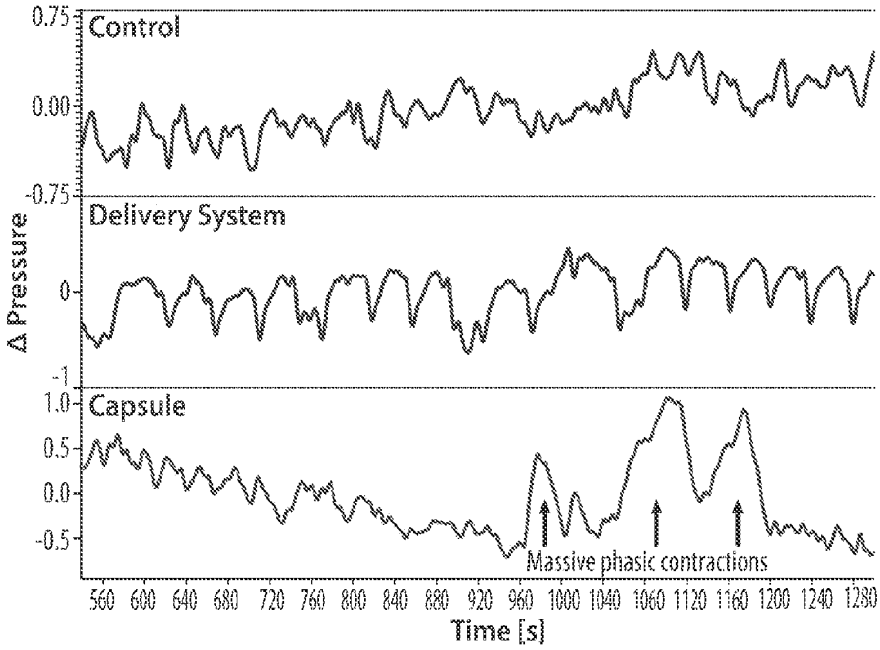

Control
Delivery System
Capsule
Δ Pressure
0.75
0.00
-0.75
0
-1
1.0
0.5
0.0
-0.5
Massive phasic contractions
560 600 640 680 720 760 800 840 880 920 960 1000 1040 1060 1120 1160 1200 1240 1280
Time [s]

*FIG. 4*

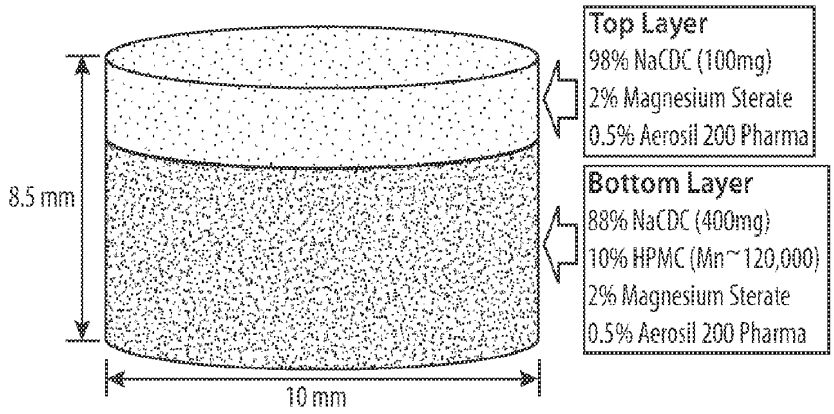

Top Layer
98% NaCDC (100mg)
2% Magnesium Sterate
0.5% Aerosil 200 Pharma
Bottom Layer
88% NaCDC (400mg)
10% HPMC (Mn~120,000)
2% Magnesium Sterate
0.5% Aerosil 200 Pharma
8.5 mm
10 mm

*FIG. 5*

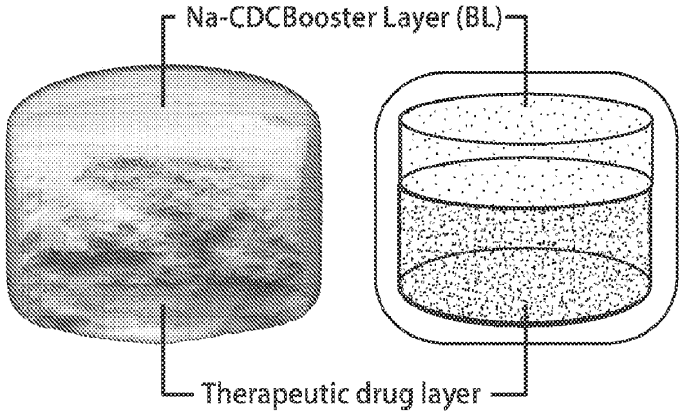

Na-CDCBooster Layer (BL)
Therapeutic drug layer

*FIG. 6*

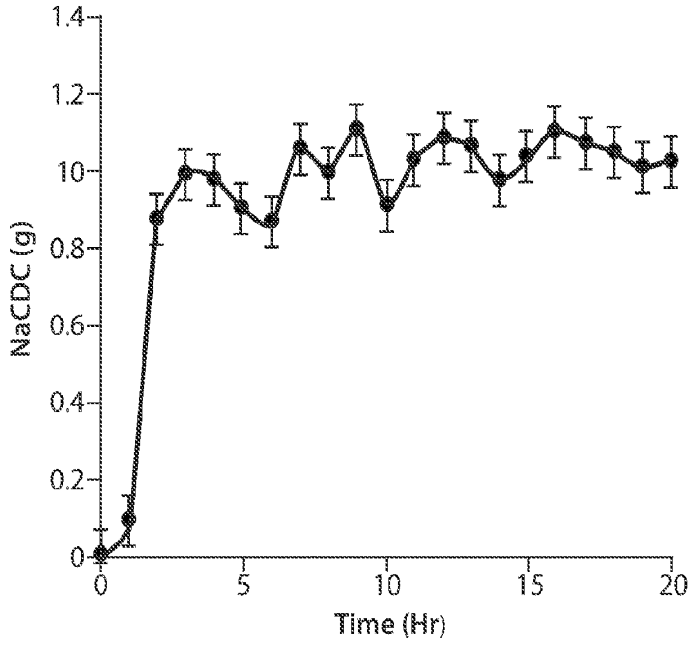

NaCDC (g)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
5
10
15
20
Time (Hr)

*FIG. 7A*

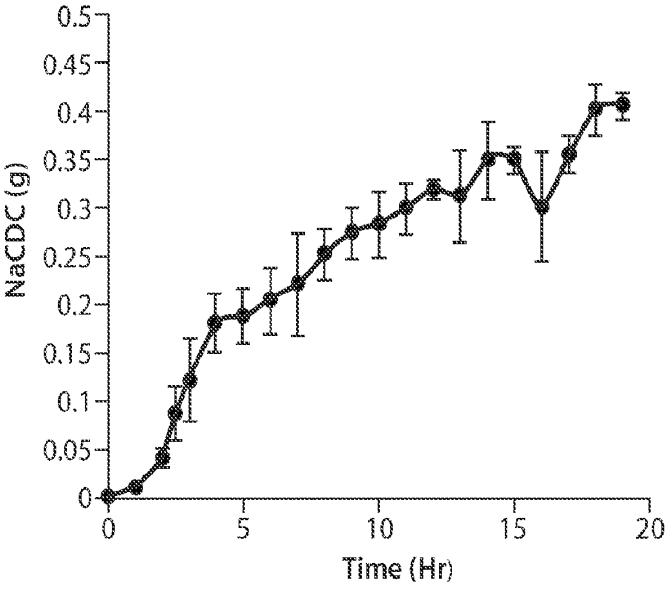

NaCDC (g)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
5
10
15
20
Time (Hr)

*FIG. 7B*

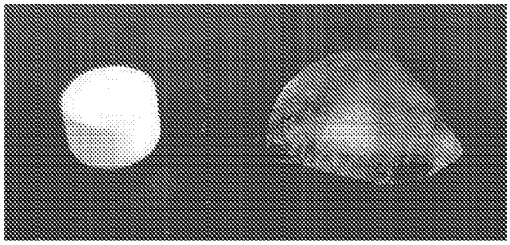


*FIG. 8A*

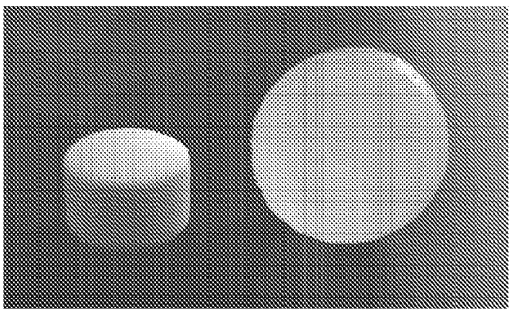


*FIG. 8B*

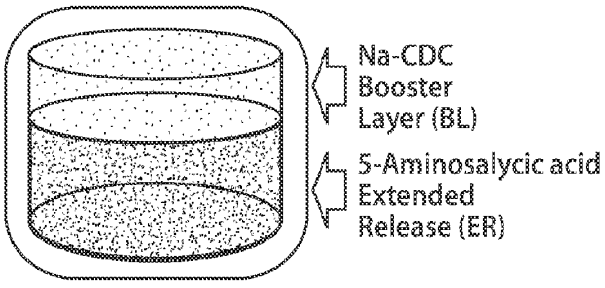



*FIG. 9*

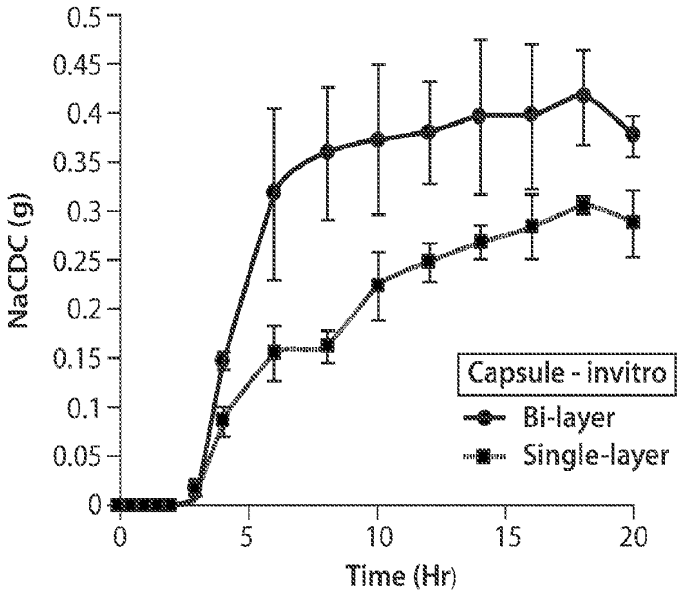



*FIG. 10A*

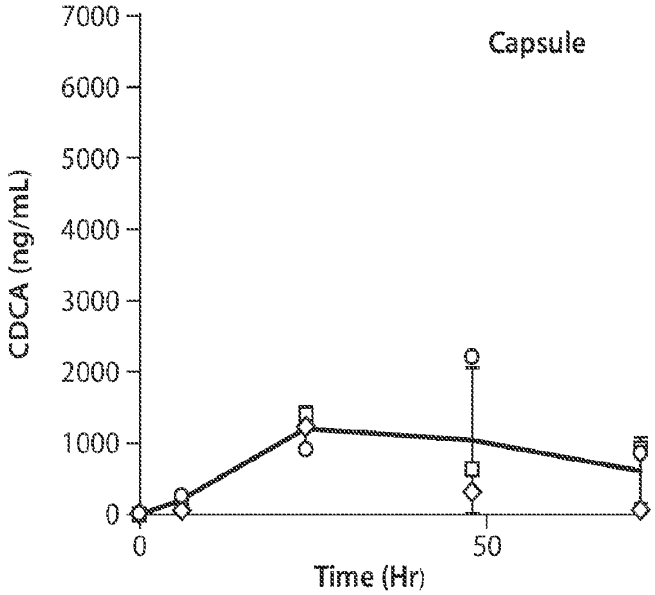



*FIG. 10B*

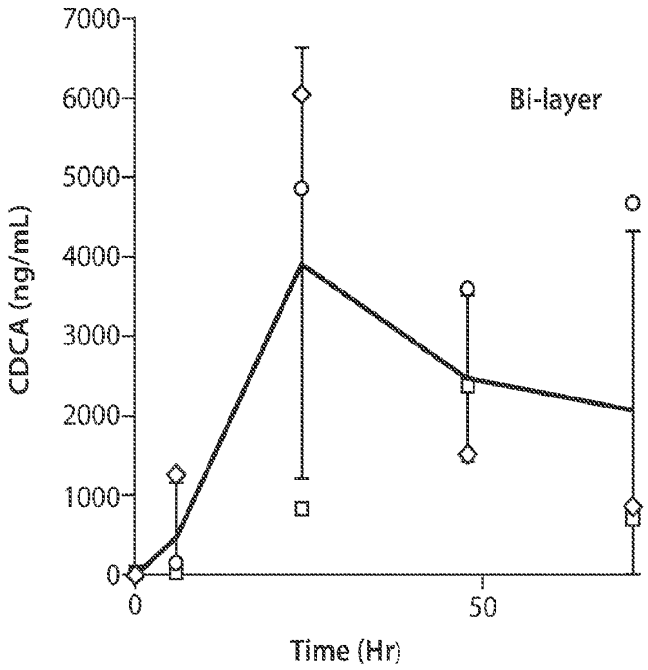



*FIG. 10C*

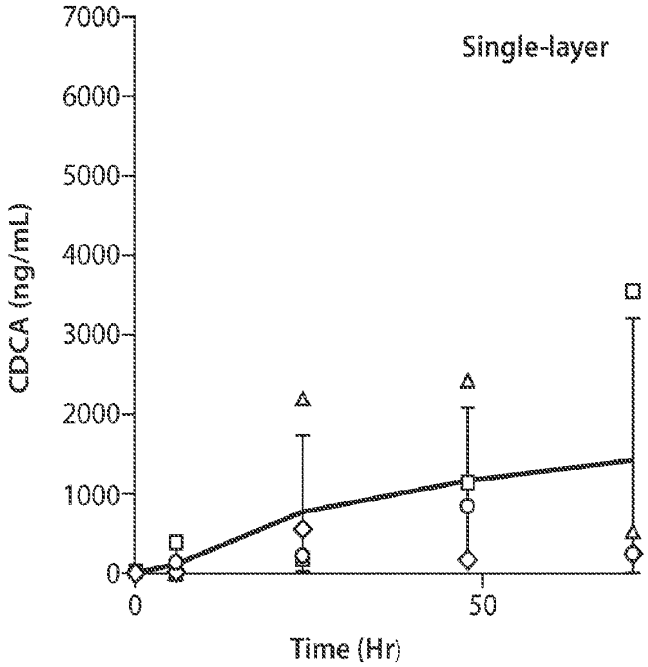



*FIG. 10D*

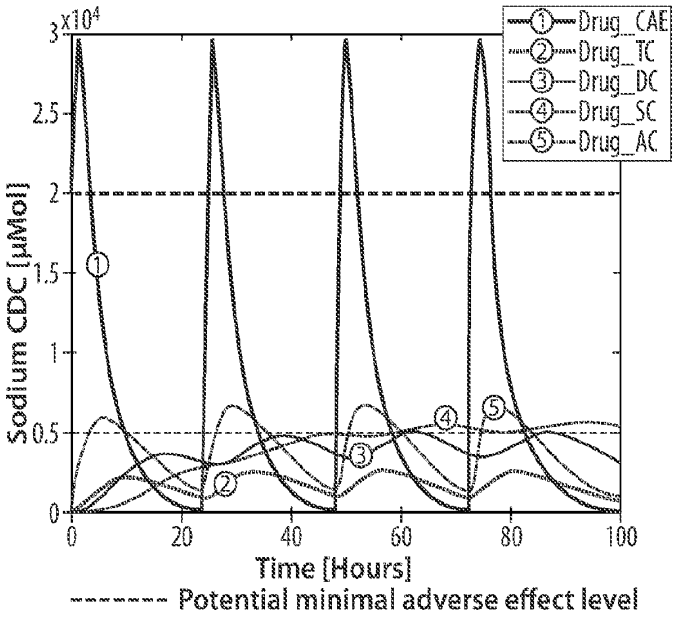



*FIG. 11A*

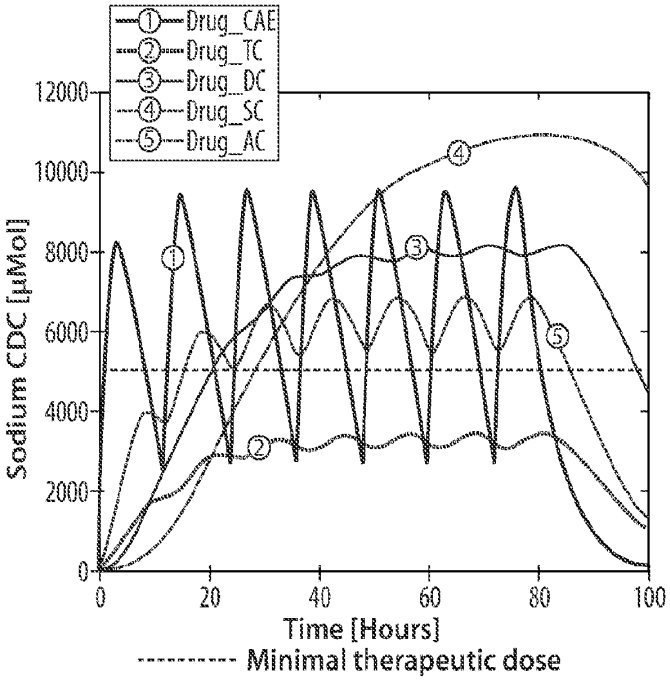



*FIG. 11B*

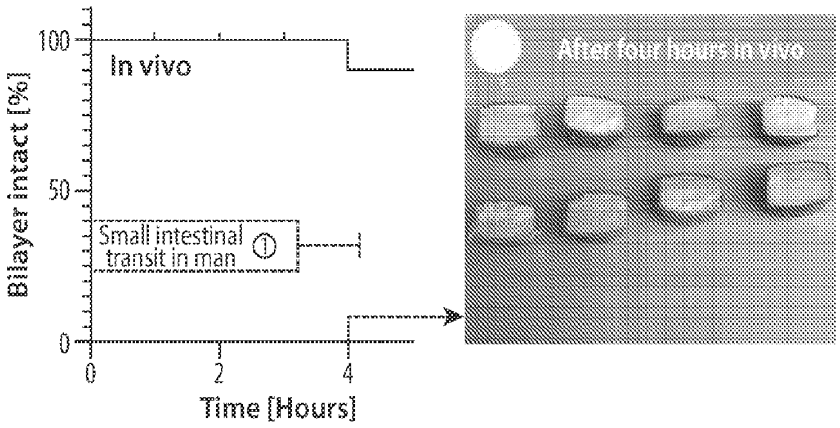



*FIG. 12A*

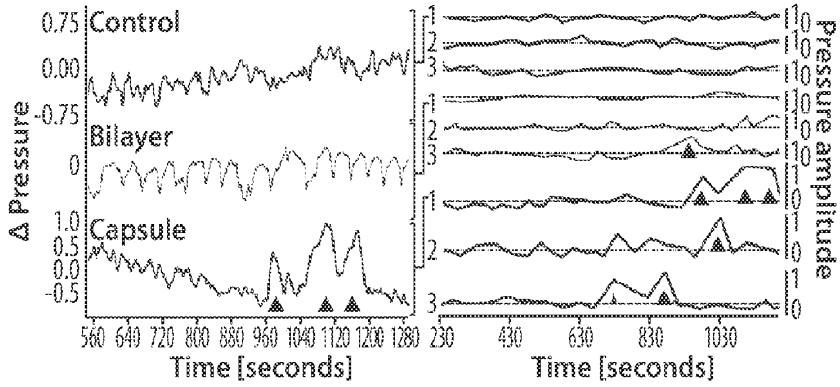



*FIG. 12B*

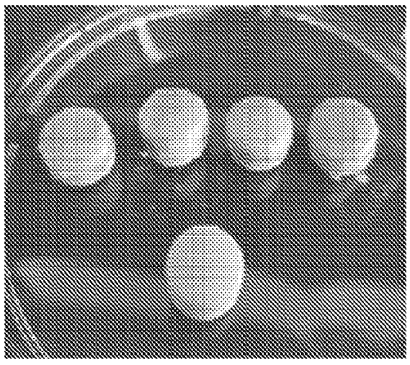


*FIG. 13A*

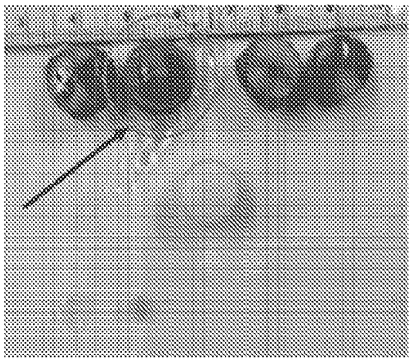


*FIG. 13B*

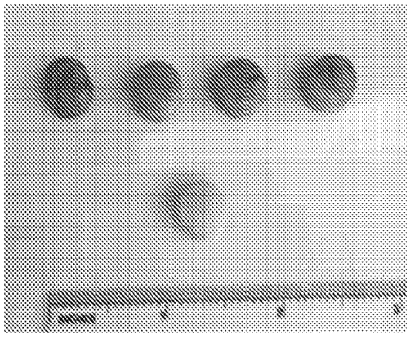


*FIG. 13C*

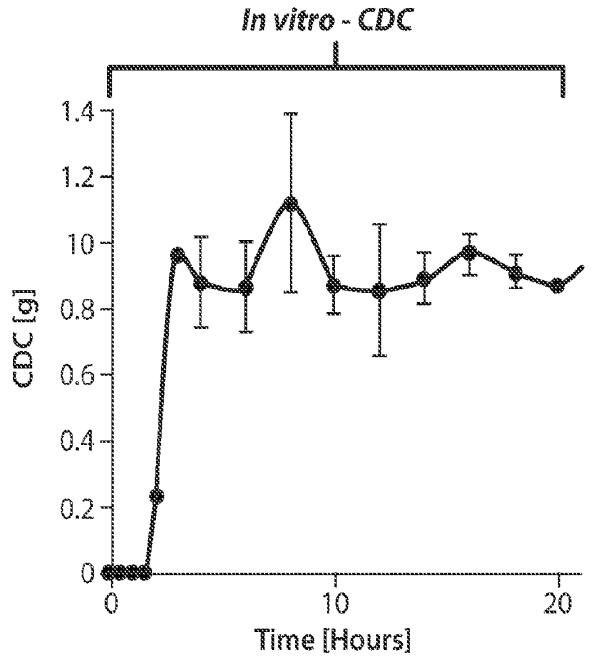



FIG. 14A

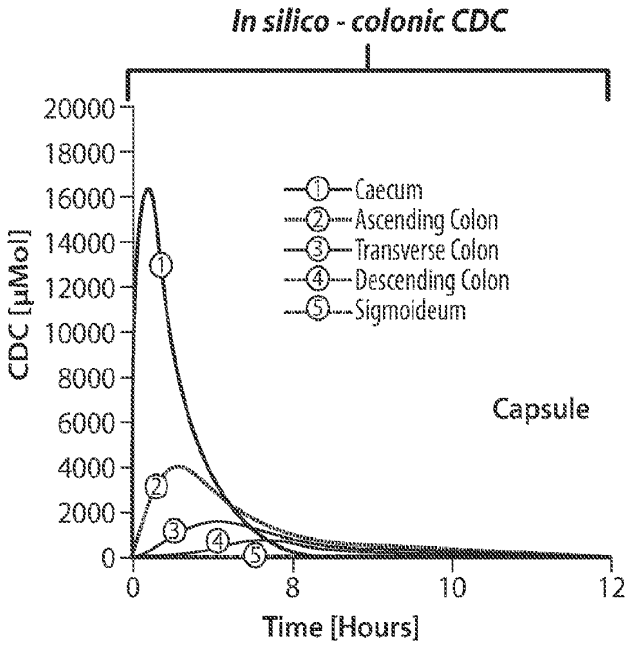



FIG. 14B

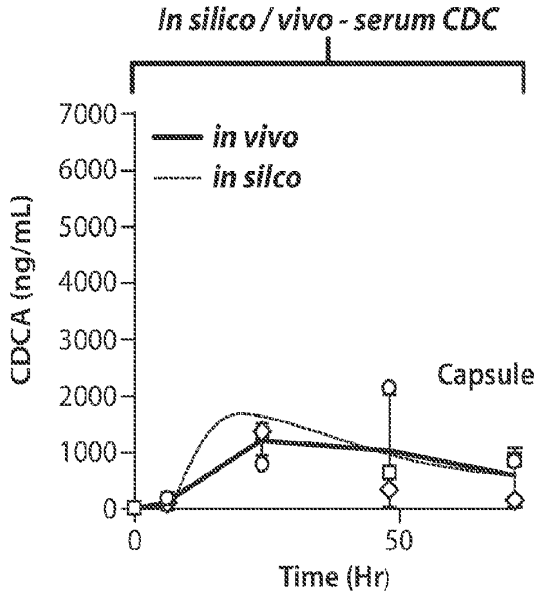



FIG. 14C

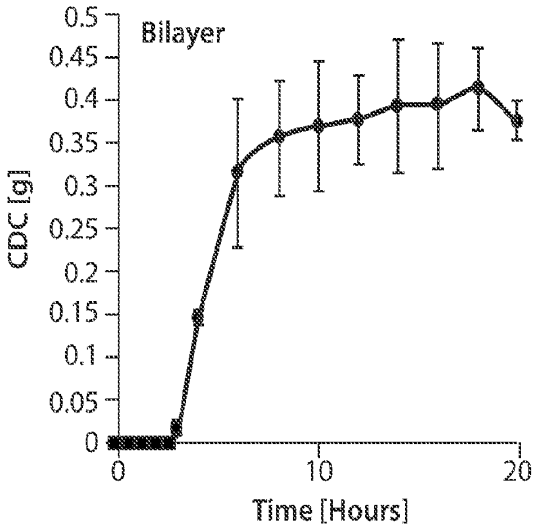



FIG. 14D

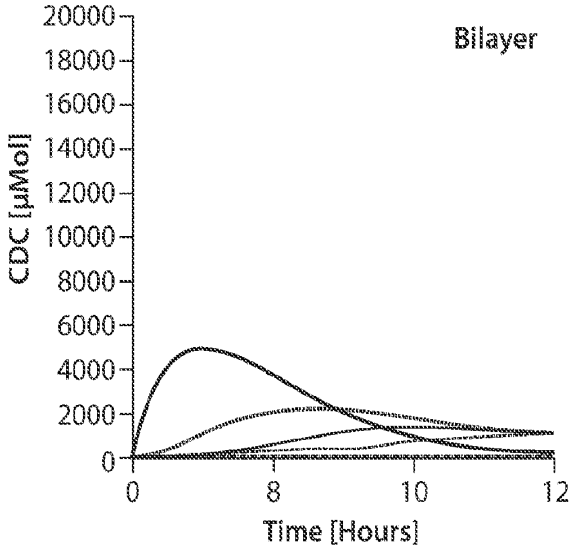



*FIG. 14E*

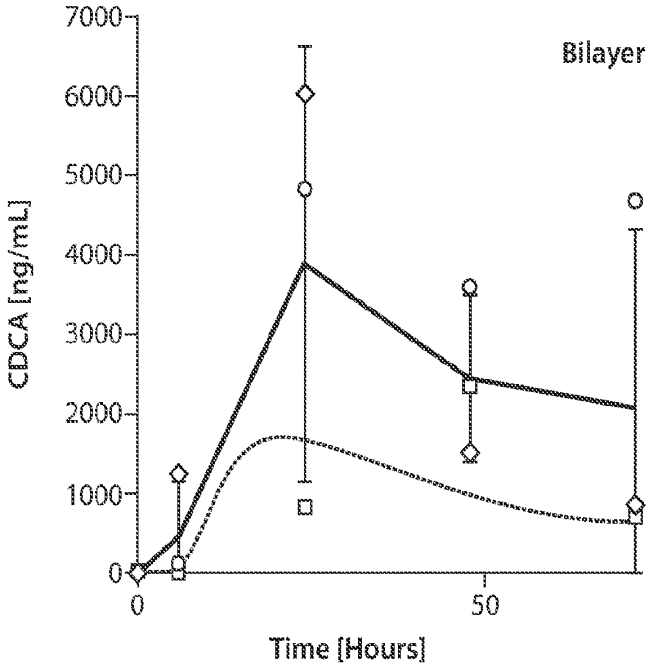



*FIG. 14F*

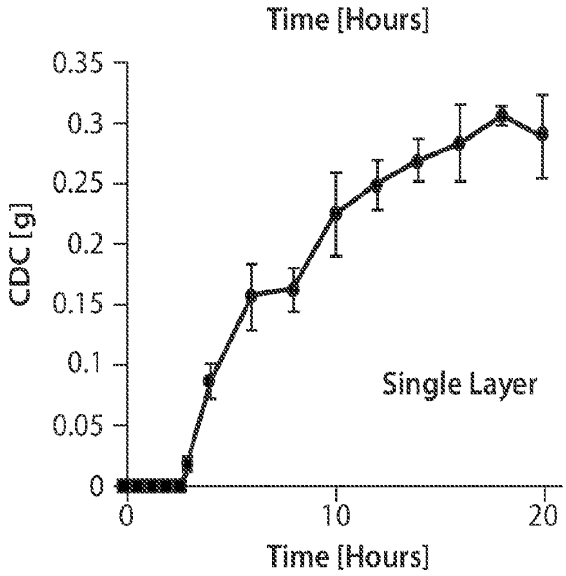



*FIG. 14G*

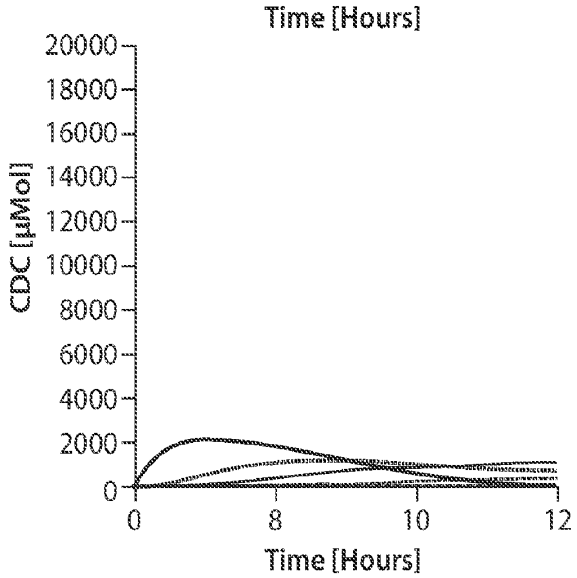



*FIG. 14H*

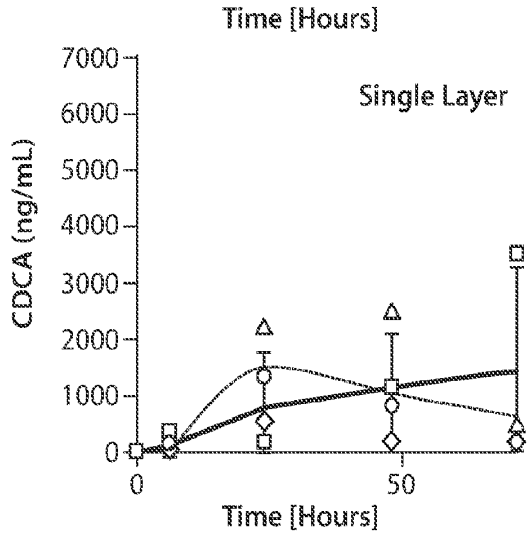



*FIG. 14I*

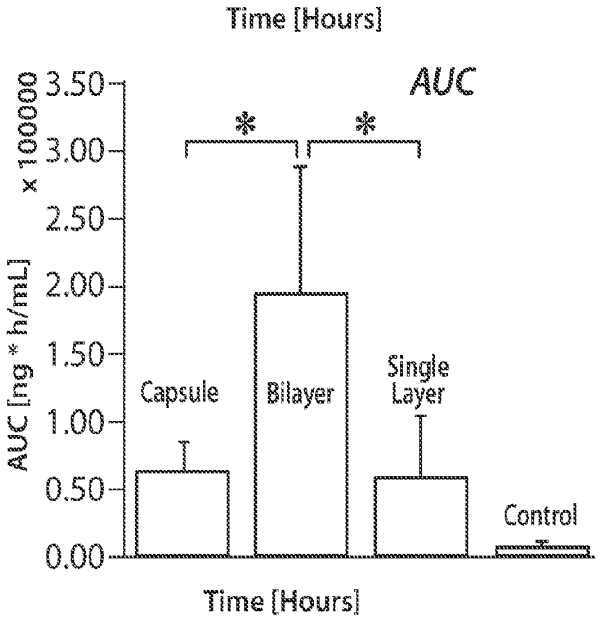



*FIG. 14J*

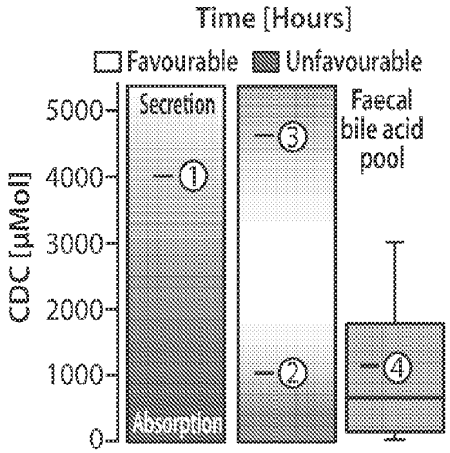



*FIG. 14K*

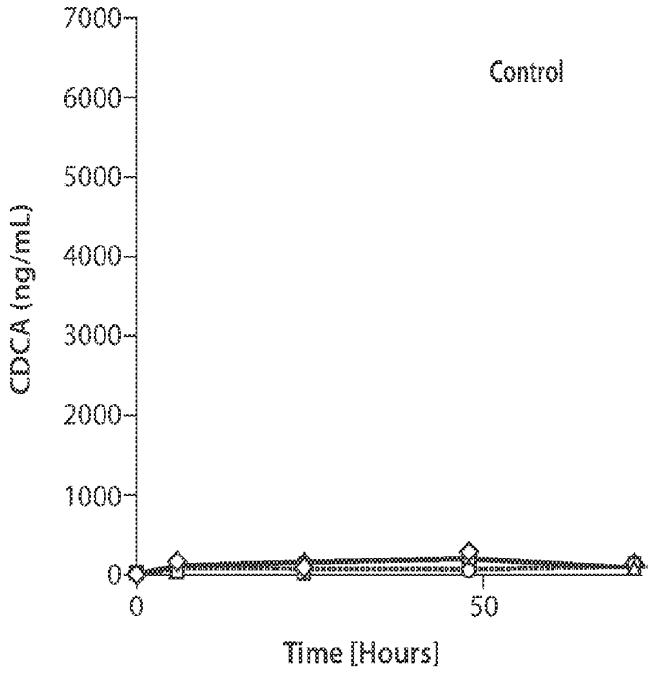



*FIG. 14L*

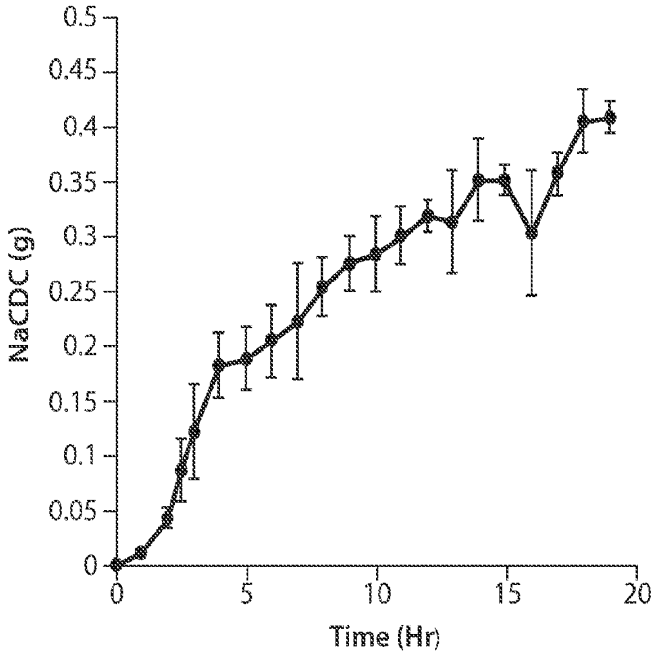



*FIG. 15A*

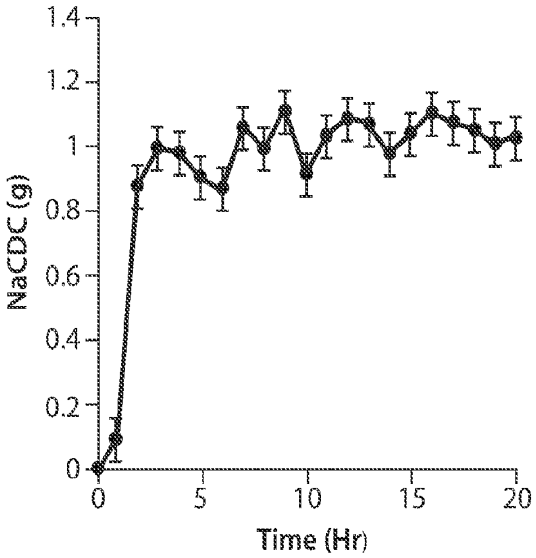



*FIG. 15B*