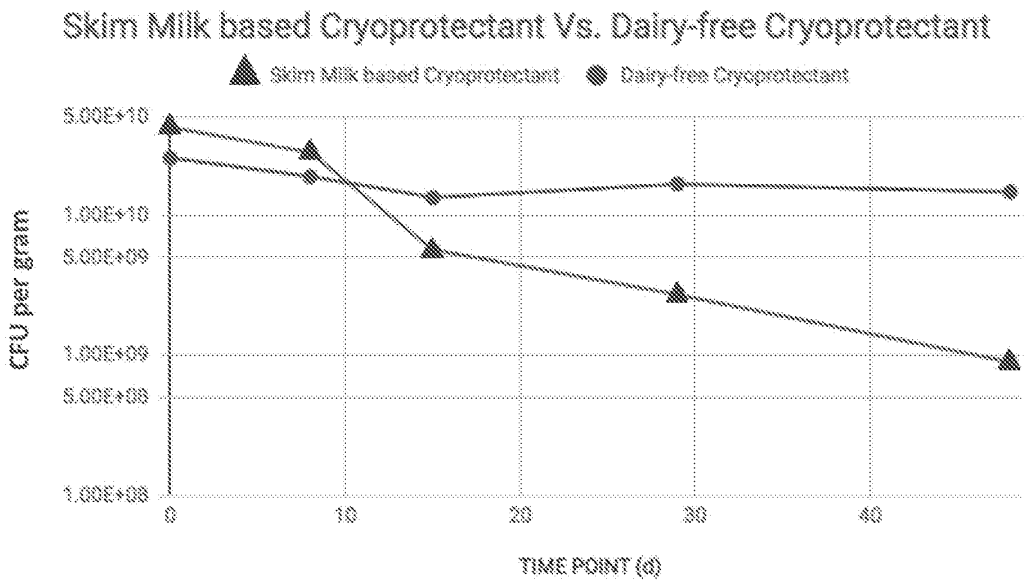

Skim Milk based Cryoprotectant Vs. Dairy-free Cryoprotectant
Skim Milk based Cryoprotectant
Dairy-free Cryoprotectant
5.00E+10
1.00E+10
5.00E+09
1.00E+09
5.00E+08
1.00E+08
CFU per gram
0
10
20
30
40
TIME POINT (d)

FIG.1

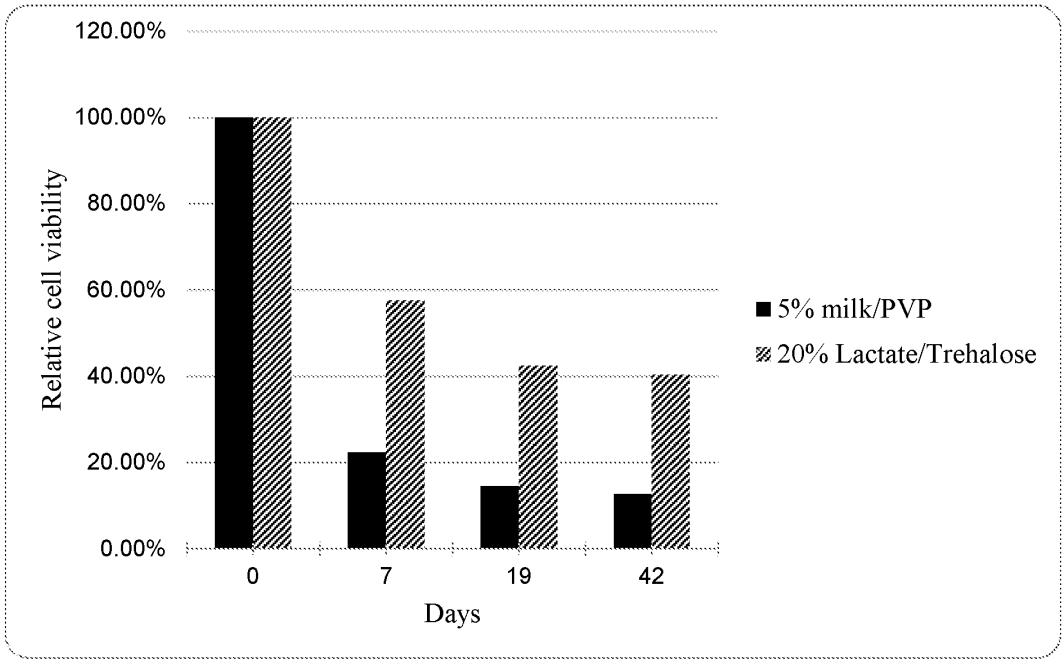

120.00%
100.00%
80.00%
60.00%
40.00%
20.00%
0.00%
Relative cell viability
0
7
19
42
Days
5% milk/PVP
20% Lactate/Trehalose

FIG. 2A

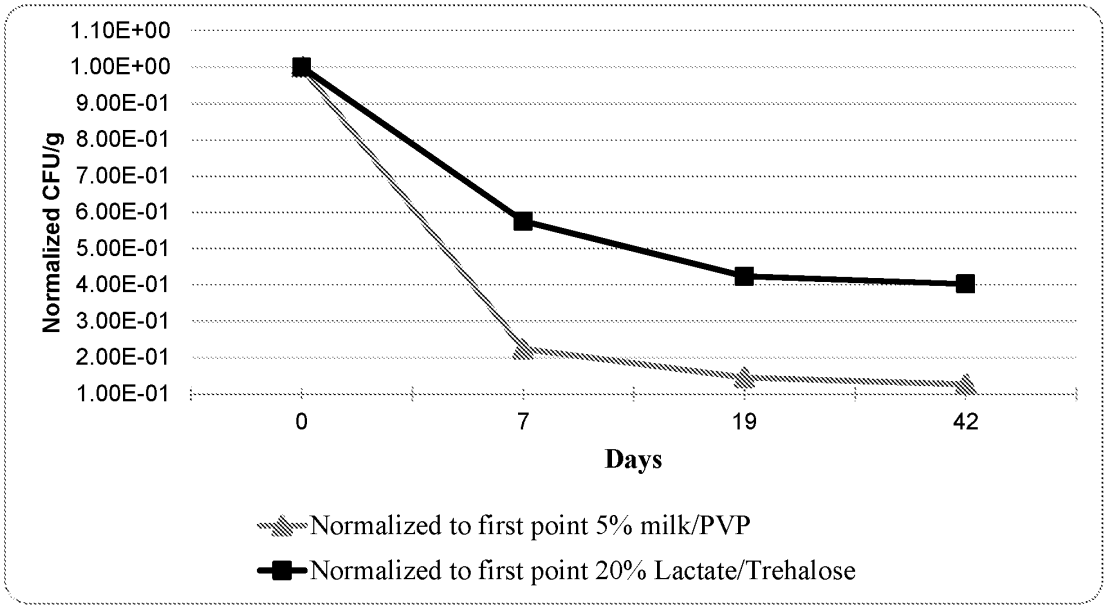

1.10E+00
1.00E+00
9.00E-01
8.00E-01
7.00E-01
6.00E-01
5.00E-01
4.00E-01
3.00E-01
2.00E-01
1.00E-01
Normalized CFU/g
0
7
19
42
Days
Normalized to first point 5% milk/PVP
Normalized to first point 20% Lactate/Trehalose

FIG. 2B

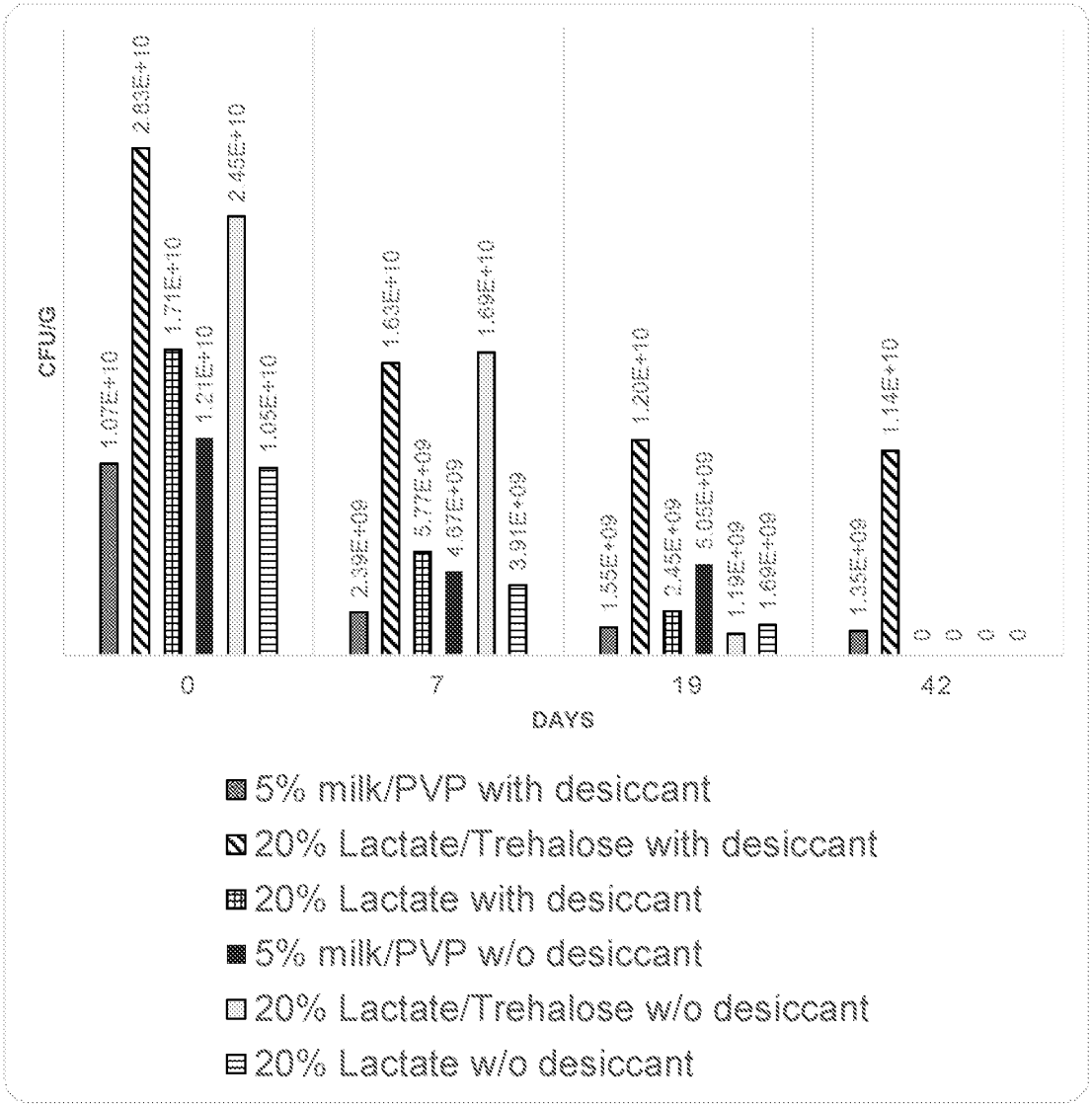

CFU/G
1.07E+10
2.83E+10
1.71E+10
1.21E+10
2.45E+10
1.05E+10
2.39E+08
1.63E+10
5.77E+08
4.07E+09
1.69E+10
3.01E+09
1.35E+09
1.20E+10
2.45E+08
5.05E+09
1.19E+09
1.60E+08
1.33E+08
1.14E+10
0
0
0
0
0
7
19
42
DAYS
5% milk/PVP with desiccant
20% Lactate/Trehalose with desiccant
20% Lactate with desiccant
5% milk/PVP w/o desiccant
20% Lactate/Trehalose w/o desiccant
20% Lactate w/o desiccant

FIG. 3