

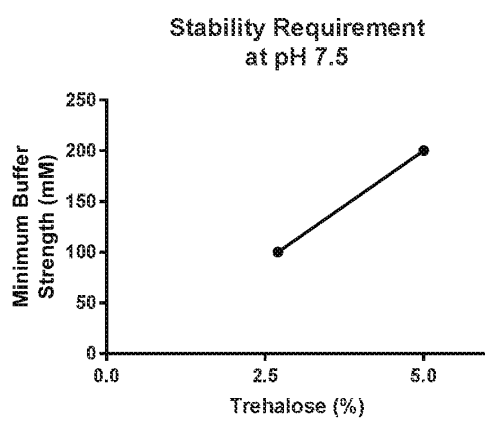


FIG. 1A

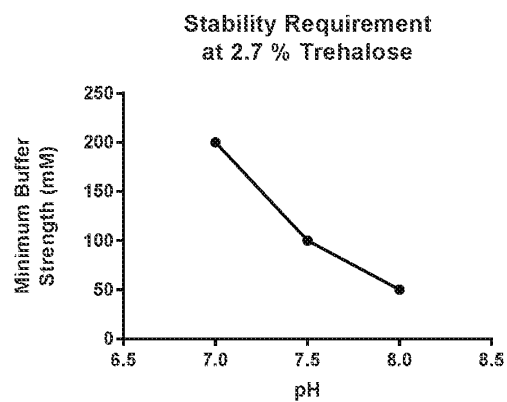


FIG. 1B

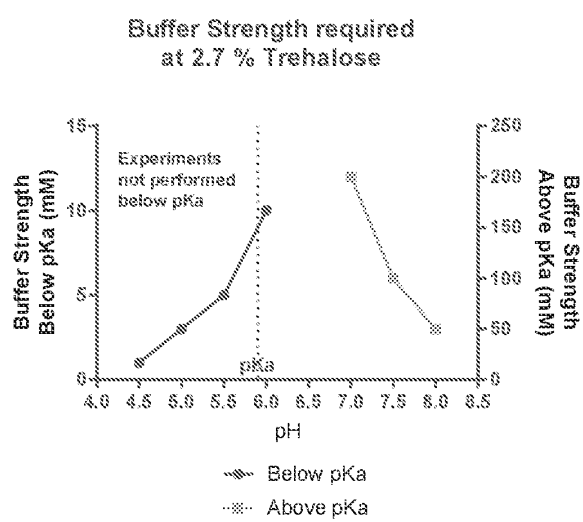


FIG. 2

| # | Molar %            |          |      |      | Tris pH 7.5 |        |
|---|--------------------|----------|------|------|-------------|--------|
|   | Conventional lipid | lipidoid | DSPC | DOPE | 25 mM       | 100 mM |
| 1 | 40                 |          | 30   |      | ✓           | ✓      |
| 2 | 40                 |          |      | 30   | ✓           | ✓      |
| 3 | 50                 |          | 10   |      | ✓           | ✓      |
| 4 | 50                 |          |      | 10   | ✓           | ✓      |
| 5 |                    | 40       | 30   |      | ✓           | ✓      |
| 6 |                    | 40       |      | 30   | X           | ✓      |
| 7 |                    | 50       | 10   |      | ✓           | ✓      |
| 8 |                    | 50       |      | 10   | ✓           | ✓      |

FIG. 3A

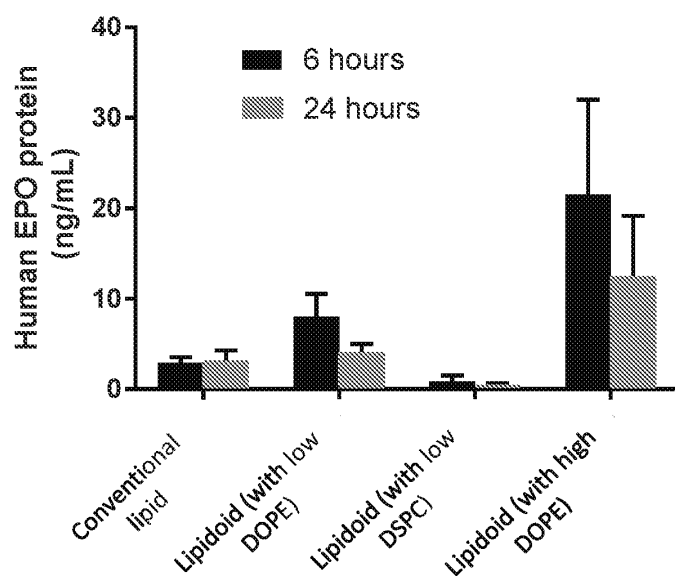


FIG. 3B

| #  | Concentration (mM) |      | Post Dilution Stability | #  | Concentration (mM) |      | Post Dilution Stability |
|----|--------------------|------|-------------------------|----|--------------------|------|-------------------------|
|    | Tris               | NaCl |                         |    | Imidazole          | NaCl |                         |
| 1  | 20                 | 100  | X                       | 1  | 40                 | 0    | X                       |
| 2  | 40                 | 0    | X                       | 2  |                    | 50   | X                       |
| 3  |                    | 50   | X                       | 3  |                    | 75   | X                       |
| 4  |                    | 75   | ✓                       | 4  |                    | 100  | ✓                       |
| 5  |                    | 100  | ✓                       | 5  |                    | 125  | ✓                       |
| 6  |                    | 125  | ✓                       | 6  | 50                 | 0    | X                       |
| 7  | 50                 | 0    | X                       | 7  |                    | 40   | X                       |
| 8  |                    | 40   | X                       | 8  |                    | 50   | X                       |
| 9  |                    | 50   | ✓                       | 9  |                    | 75   | ✓                       |
| 10 |                    | 75   | ✓                       | 10 |                    | 100  | ✓                       |
| 11 |                    | 100  | ✓                       |    |                    |      |                         |

FIG. 4A

| #  | Either Tris or Phosphate<br>Concentration (mM) at<br>pH 7.5 |           | Post<br>Dilution<br>Stability |
|----|-------------------------------------------------------------|-----------|-------------------------------|
|    | Tris                                                        | Phosphate |                               |
| 1  | 5                                                           | 5         | X                             |
| 2  | 10                                                          | 10        | X                             |
| 3  | 20                                                          | 20        | X                             |
| 4  | 40                                                          | 40        | X                             |
| 7  | 50                                                          | 50        | X                             |
| 8  | 75                                                          | 75        | X                             |
| 9  | 100                                                         | 100       | ✓                             |
| 10 | 150                                                         | 150       | ✓                             |
| 11 | 200                                                         | 200       | ✓                             |

FIG. 4B

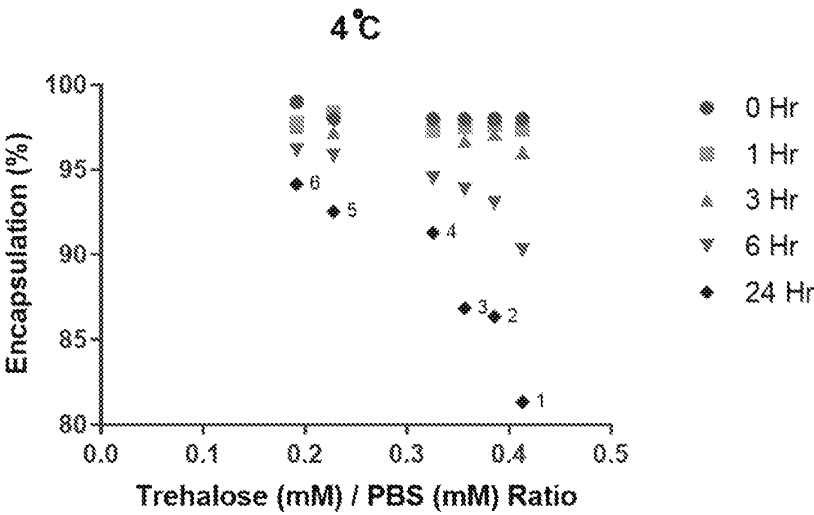


FIG. 5A

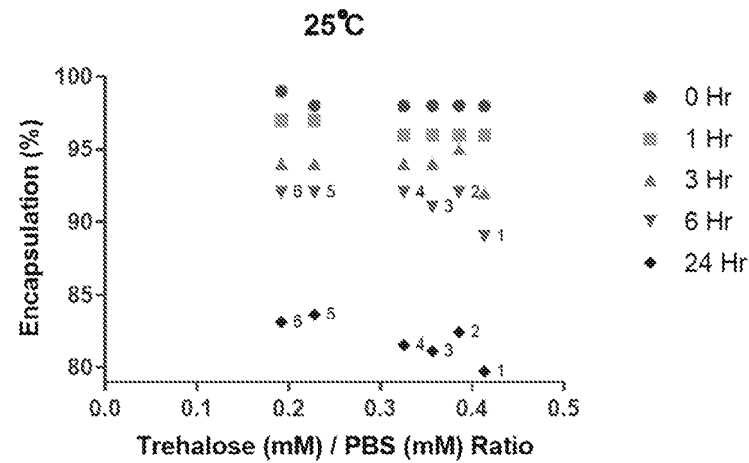


FIG. 5B

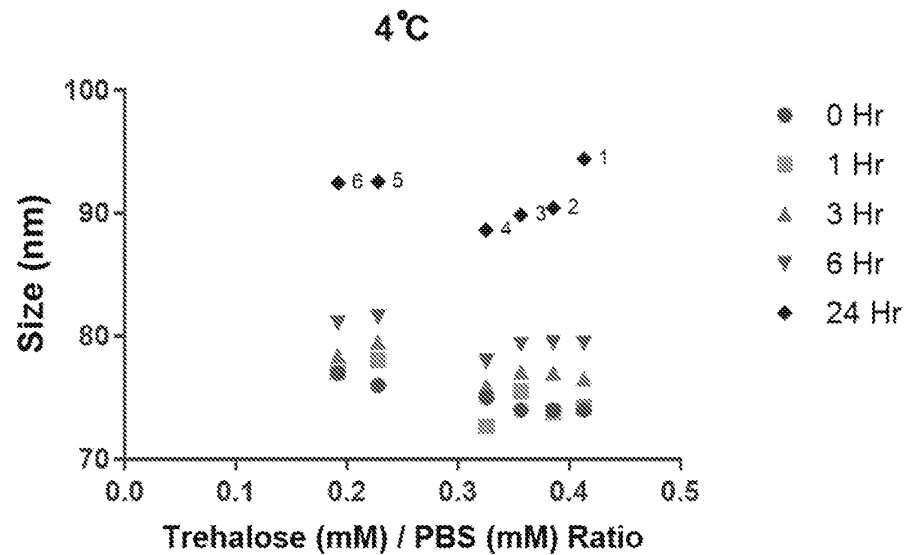


FIG. 6A

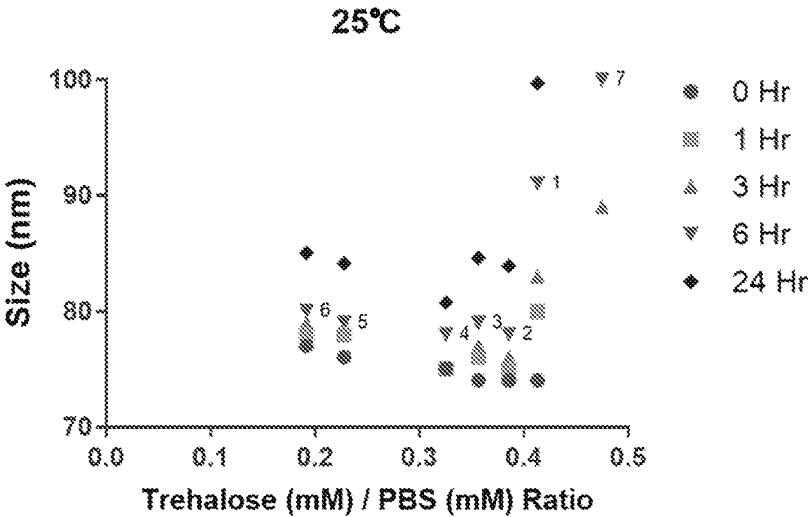


FIG. 6B