

Design and optimization of a self-assembling complex based on
microencapsulated calcium alginate and glutathione (CAG) using response surface
methodology.

Table S1. Interaction effects of the treatments of. Formation of complex.

| Tukey's multiple comparisons test | Mean Diff. | 95% CI of diff. | Significant | Summary |
|-----------------------------------|------------|-----------------------|-------------|---------|
| 1 vs. 2 | -0,008000 | -0.01626 to 0.0002587 | No | ns |
| 1 vs. 3 | -0,0130 | -0.02126 to -0.004741 | Yes | * |
| 1 vs. 4 | -0,004000 | -0.01226 to 0.004259 | No | ns |
| 1 vs. 5 | -0,01567 | -0.02393 to -0.007408 | Yes | * |
| 1 vs. 6 | -0,02333 | -0.03159 to -0.01507 | Yes | * |
| 1 vs. 7 | -0,01167 | -0.01993 to -0.003408 | Yes | * |
| 1 vs. 8 | -0,02267 | -0.03093 to -0.01441 | Yes | * |
| 1 vs. 9 | -0,0270 | -0.03526 to -0.01874 | Yes | * |
| 2 vs. 3 | -0,005000 | -0.01326 to 0.003259 | No | ns |
| 2 vs. 4 | 0,0040 | -0.004259 to 0.01226 | No | ns |
| 2 vs. 5 | -0,007667 | -0.01593 to 0.0005920 | No | ns |
| 2 vs. 6 | -0,01533 | -0.02359 to -0.007075 | Yes | * |
| 2 vs. 7 | -0,003667 | -0.01193 to 0.004592 | No | ns |
| 2 vs. 8 | -0,01467 | -0.02293 to -0.006408 | Yes | * |
| 2 vs. 9 | -0,0190 | -0.02726 to -0.01074 | Yes | * |
| 3 vs. 4 | 0,0090 | 0.0007413 to 0.01726 | Yes | * |
| 3 vs. 5 | -0,002667 | -0.01093 to 0.005592 | No | ns |
| 3 vs. 6 | -0,01033 | -0.01859 to -0.002075 | Yes | * |
| 3 vs. 7 | 0,001333 | -0.006925 to 0.009592 | No | ns |
| 3 vs. 8 | -0,009667 | -0.01793 to -0.001408 | Yes | * |
| 3 vs. 9 | -0,0140 | -0.02226 to -0.005741 | Yes | * |
| 4 vs. 5 | -0,01167 | -0.01993 to -0.003408 | Yes | * |
| 4 vs. 6 | -0,01933 | -0.02759 to -0.01107 | Yes | * |
| 4 vs. 7 | -0,007667 | -0.01593 to 0.0005920 | No | ns |
| 4 vs. 8 | -0,01867 | -0.02693 to -0.01041 | Yes | * |
| 4 vs. 9 | -0,0230 | -0.03126 to -0.01474 | Yes | * |
| 5 vs. 6 | -0,007667 | -0.01593 to 0.0005920 | No | ns |
| 5 vs. 7 | 0,004000 | -0.004259 to 0.01226 | No | ns |
| 5 vs. 8 | -0,007000 | -0.01526 to 0.001259 | No | ns |
| 5 vs. 9 | -0,01133 | -0.01959 to -0.003075 | Yes | * |
| 6 vs. 7 | 0,01167 | 0.003408 to 0.01993 | Yes | * |
| 6 vs. 8 | 0,0006667 | -0.007592 to 0.008925 | No | ns |
| 6 vs. 9 | -0,003667 | -0.01193 to 0.004592 | No | ns |
| 7 vs. 8 | -0,0110 | -0.01926 to -0.002741 | Yes | * |
| 7 vs. 9 | -0,01533 | -0.02359 to -0.007075 | Yes | * |
| 8 vs. 9 | -0,004333 | -0.01259 to 0.003925 | No | ns |

ANOVA test: (*) represent statistical significance at $p < 0.05$, ns (not significance) (Tukey test).