Supplementary Material

Levothyroxine sodium loaded dissolving microneedle arrays for transdermal delivery

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Table S1: Mean weight, thickness and pH of the prepared MN arrays.

| Formula code | Weight (mg) | Thickness (mm) | pH   |
|--------------|-------------|----------------|------|
| F1           | 4.10        | 1.021          | 7.24 |
| F2           | 5.72        | 1.023          | 7.20 |
| F3           | 12.31       | 1.014          | 7.20 |
| F4           | 17.65       | 1.026          | 7.17 |
| F5           | 21.28       | 1.037          | 7.26 |
| F6           | 25.72       | 1.024          | 7.16 |
| F7           | 33.81       | 1.042          | 7.22 |
| F8           | 38.89       | 1.041          | 7.16 |
| F9           | 43.75       | 1.033          | 7.11 |
| F10          | 51.21       | 1.036          | 7.29 |
| F11          | 52.39       | 1.045          | 7.28 |
| F12          | 52.97       | 1.043          | 7.32 |
| F13          | 55.41       | 1.046          | 7.12 |
Figure 1S. Digital microscope images of MN arrays after compression using texture analyser, where (a) represents F3, (b) F4, (c) F5, (d) F6, (e) F7, (f) F8, (g) F9, (h) F10, and (i) F11.