

## **Supplementary Materials**

### **Rapidly Dissolving Microneedles for the Delivery of Steroid-Loaded Nanoparticles Intended for the Treatment of Inflammatory Skin Diseases**

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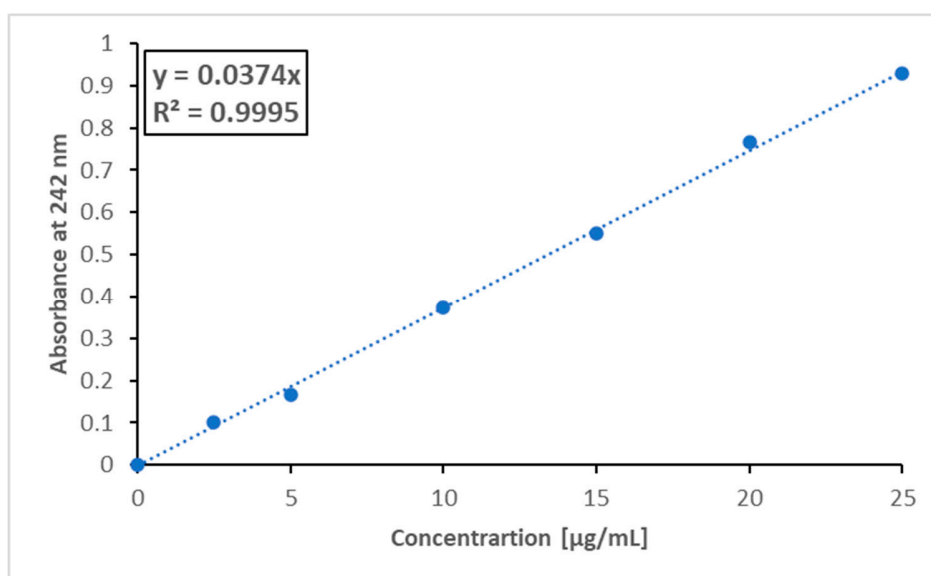
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**Figure S1.** Calibration curve of DEX in distilled water containing 5% DMSO at 242 nm.

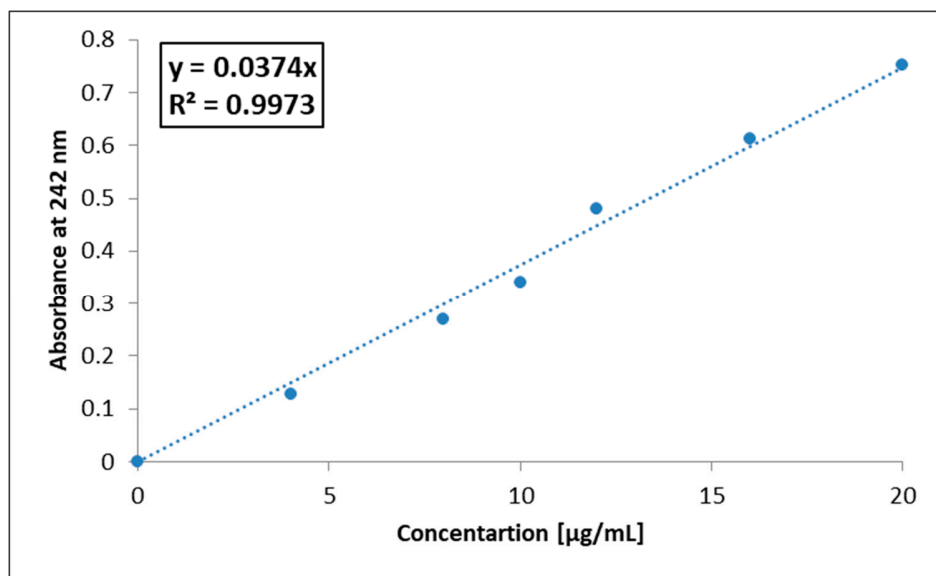
**Figure S2.** Calibration curve of DEX in PBS (pH=7.4) at 242 nm.

**Figure S3.** FTIR spectrum of Solutol HS 15.

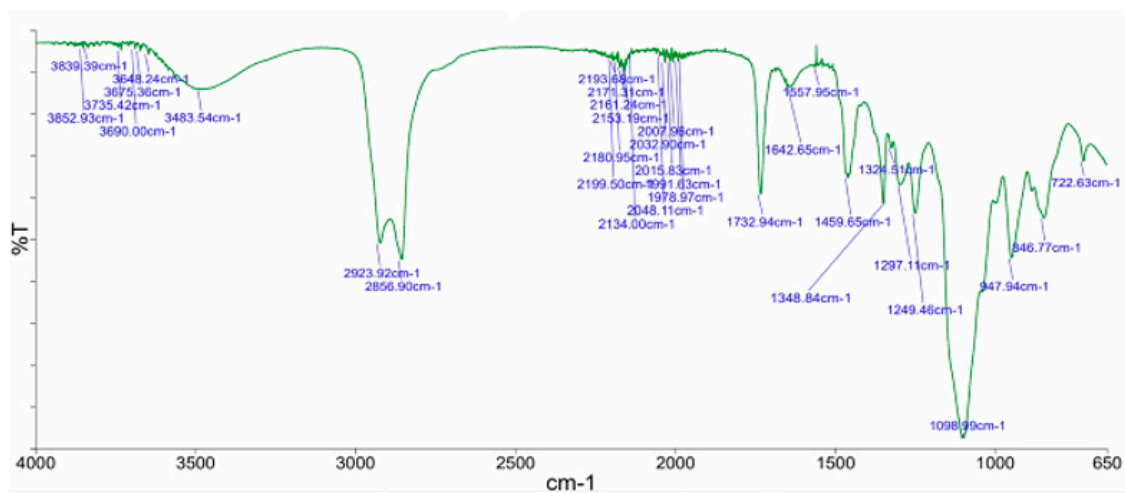
**Figure S4.** Images of MNs loaded with blank PLGA NPs (A) before and (C) after the insertion test. (B) Representative microscopic image of holes created on the first parafilm layer.



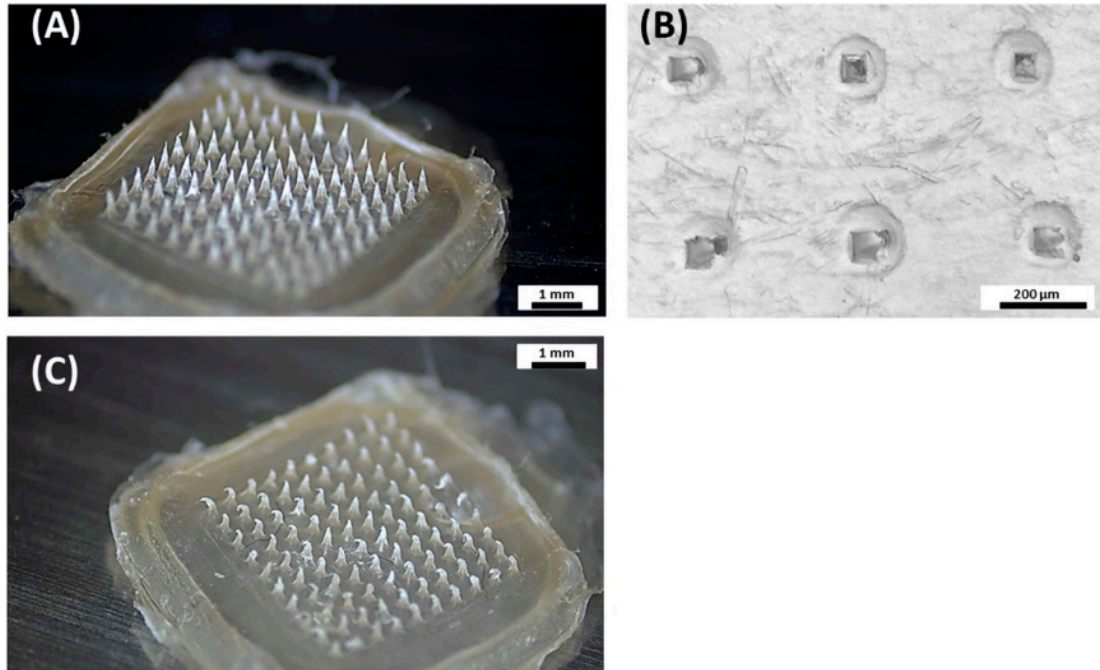
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