

Supplementary Materials

Levonorgestrel Microneedle Array Patch for Sustained Release Contraception: Formulation, Optimization and In Vivo Characterization

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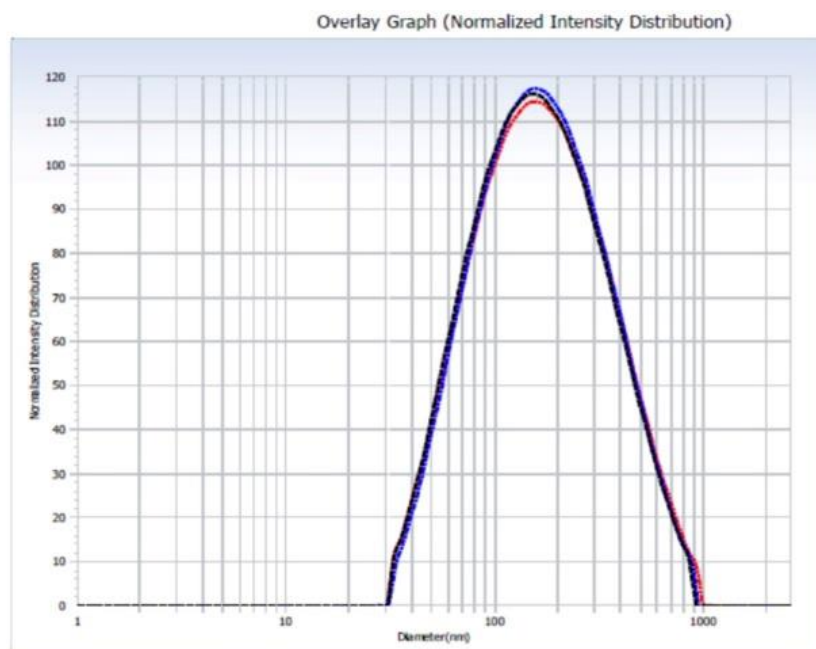


Figure S1. Particle size graph of optimized (Batch L6).

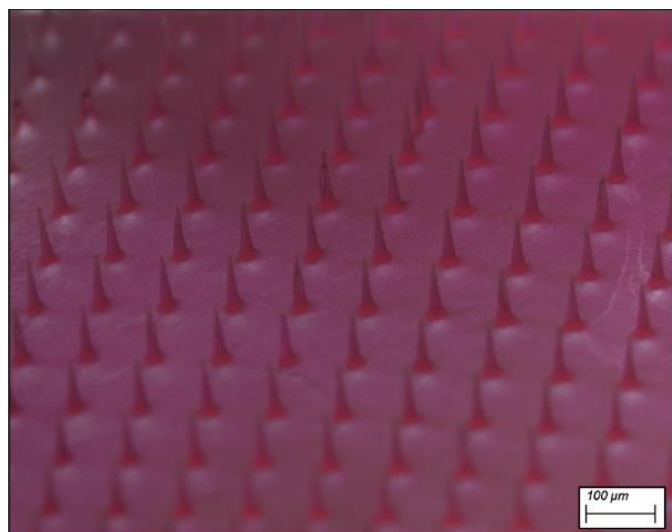


Figure S2. Microscopy image of microneedle array patch loaded with rhodamine dye.

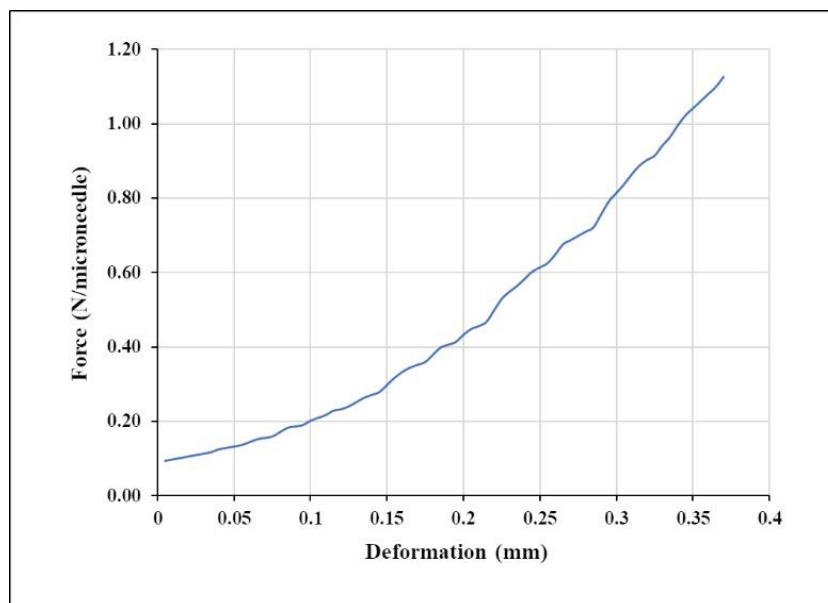


Figure S3. Mechanical behavior of microneedle array under a compression force.



Figure S4. Skin penetration study of microneedle array patch after insertion into the rat skin.

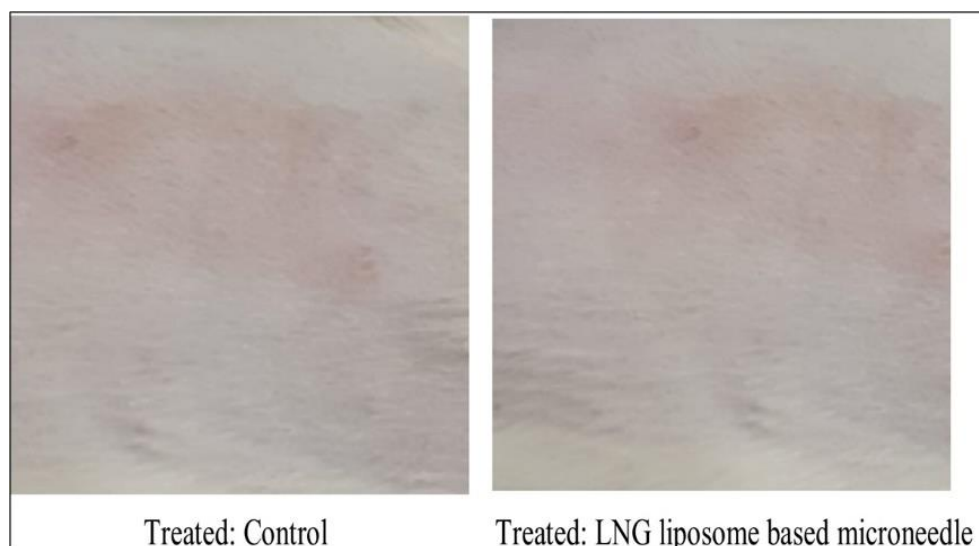


Figure S5. Skin irritancy study after administration of microneedle.