

Supplementary

A Porous Reservoir-Backed Boronate Gel Microneedle for Efficient Skin Penetration and Sustained Glucose-Responsive Insulin Delivery

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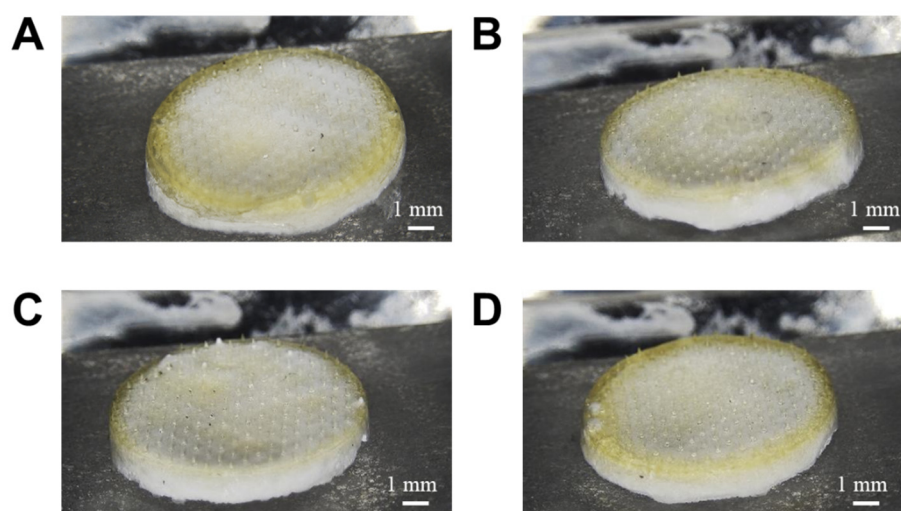


Figure S1. The appearance of the type 3 MNs with “cake-like” structure (A) without PVA coating, (B) coated with PVA and heated once, (C) coated with PVA and heated twice and (D) coated with PVA and heated three times.



Figure S2. The appearance of the type 3 MNs with a “cake-like” structure after skin insertion.

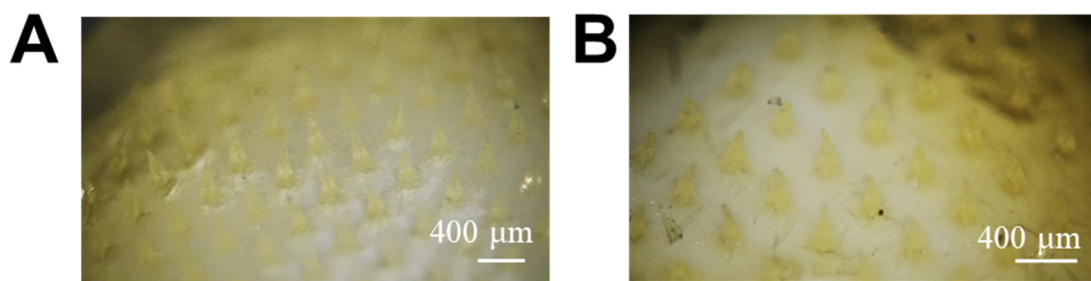


Figure S3. The appearance of the type 3 MNs with “cake-like” structure (A) before and (B) after HPLC experiment.