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Laura Engelke, Gerhard Winter, Julia Engert

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Application of water-soluble polyvinyl alcohol-based film patches on laser microporated skin facilitates intradermal macromolecule and nanoparticle delivery

Laura Engelke^a, Gerhard Winter^a, Julia Engert^a*

^a Department of Pharmacy, Pharmaceutical Technology & Biopharmaceutics, Ludwig-Maximilians-University Munich, Butenandtstr. 5, Haus B, D-81377 Munich, Germany

*Corresponding author:

PD Dr. habil. Julia Engert

Email: julia.engert@cup.uni-muenchen.de

Phone: +49 89 2180 77019

Facsimile: +49 89 2180 77020

Keywords: Polymer film patch; polyvinyl alcohol; PVA; intradermal delivery; skin ablation; micropore; Er:YAG laser; skin vaccination; transcutaneous immunization

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