

Supplementary Material

Methacryloyl-GlcNAc Derivatives Copolymerized with Dimethacrylamide as a Novel Antibacterial and Biocompatible Coating

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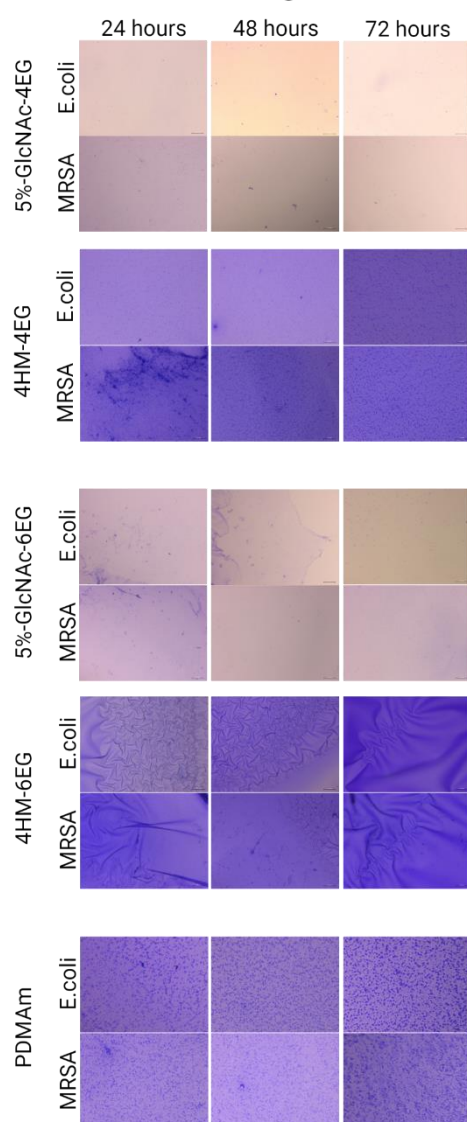
Cristalviolet staining

Figure S1. Brightfield images after crystal violet staining of biofilm formation on polymer coatings. PDMAM corresponds to the unmodified acrylate coating. Images were taken with 100× magnification using the microscope Observer.Z1 (Zeiss, Germany) after 24, 48 and 72 h of cultivation. Scale bar measures 0.1 mm.

Live/Dead staining after 24 hours

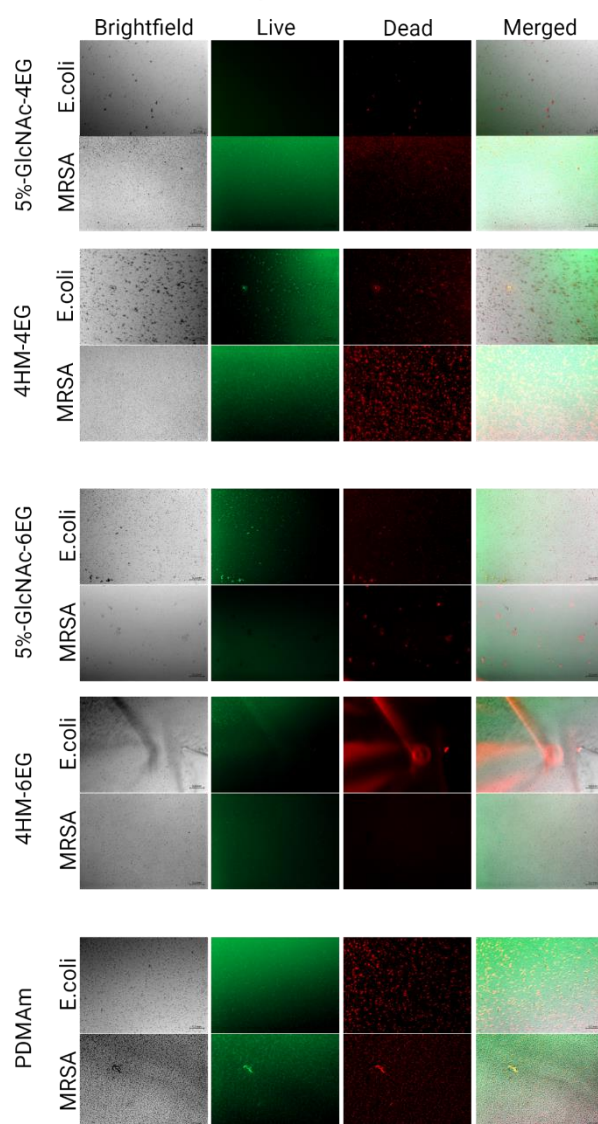


Figure S2. Fluorescent images after Live/Dead staining of *E. coli* and MRSA in the high-nutrition environment after 24 h of cultivation. PDMAm corresponds to the unmodified acrylate coating. Images were taken with 100× magnification using the microscope Observer.Z1 (Zeiss, Germany). Scale bar measures 0.1 mm.

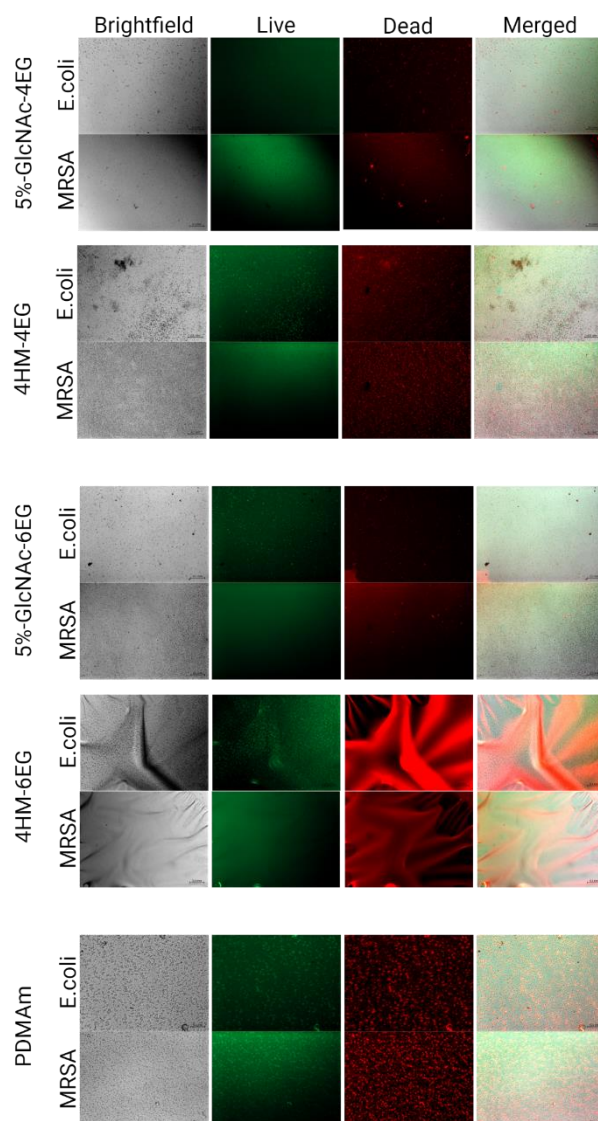
Live/Dead staining after 48 hours

Figure S3. Fluorescent images after Live/Dead staining of *E. coli* and MRSA in the high-nutrition environment after 48 hours of cultivation. PDMAM corresponds to the unmodified acrylate coating. Images were taken with 100x magnification using the microscope Observer.Z1 (Zeiss, Germany). Scale bar measures 0.1 mm.

Live/Dead staining after 72 hours

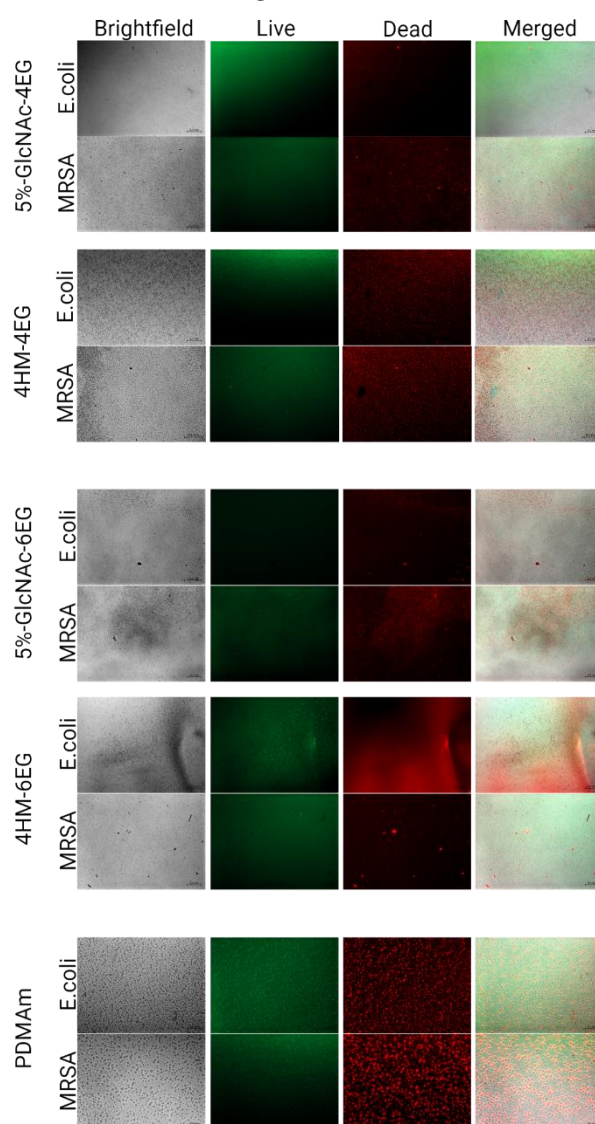


Figure S4. Fluorescent images after Live/Dead staining of *E. coli* and MRSA in the high-nutrition environment after 72 h of cultivation. PDMAm corresponds to the unmodified acrylate coating. Images were taken with 100× magnification using the microscope Observer.Z1 (Zeiss, Germany). Scale bar measures 0.1 mm.