

A Regenerable Immunochip for the Rapid Determination of 13 Different Antibiotics in Raw Milk

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Figure S1 Image of the multianalyte detection instrument Munich Chip Reader (MCR 3).

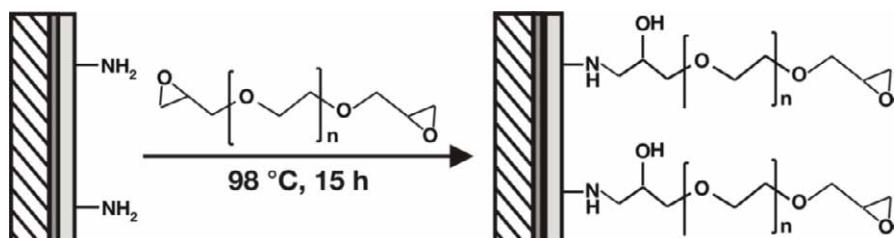
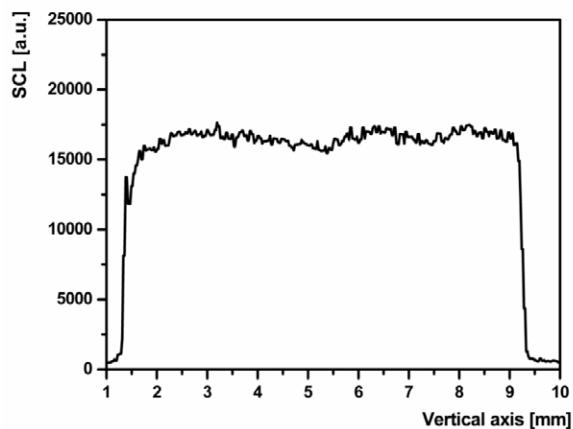
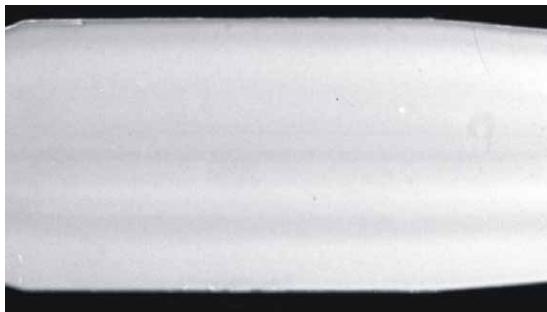


Figure S2 Schematic of the preparation of uniform PEG-layers with a terminal epoxy-function.

(A)



(B)

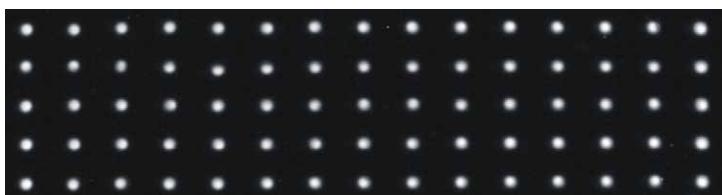
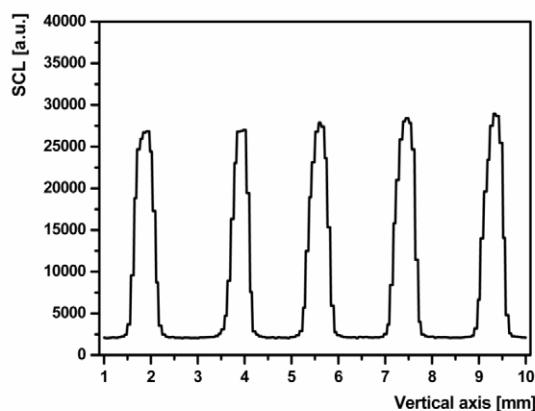
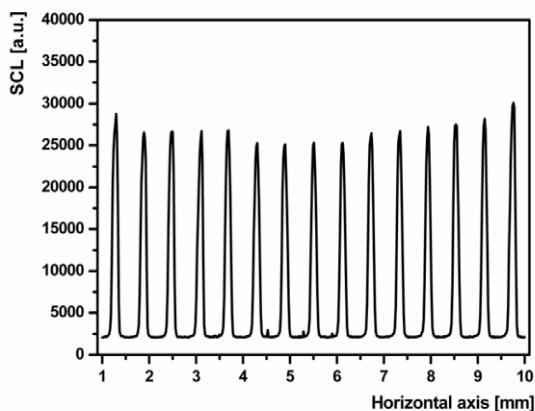


Figure S3 Grafted DAPEG surface treated with biotin-NHS (A) over the whole surface and (B) plotted a 15 x 5 array (spot diameter 450 µm). Quality control by a chemiluminescence reaction of horseradish peroxidase. CCD exposures of the active area.

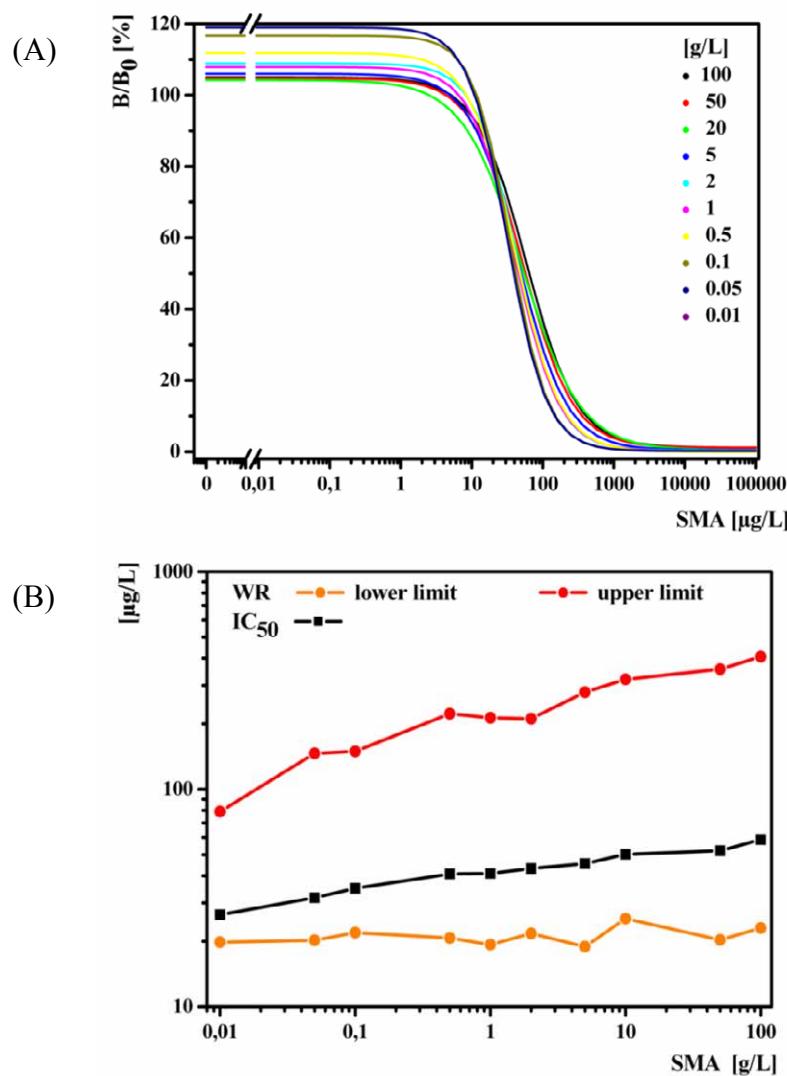


Figure S4 (A) Standard calibration curves ($m = 5$, $n = 9$, $r^2 = 0.97$) and (B) the progression of IC_{50} values and working range limits for SMA immobilized with different concentration (0.01 - 100 g/L) on an epoxy-activated PEG chip surface.