

VIDEO TITLE, LEGENDS, and KEYWORDS

Supplementary Movie 1

Title: Monitoring H₂O₂ flow.

Legend: The ×1 video monitoring of the transients of the color map indicates the current intensities generated by H₂O₂ flown through over the Os-HRP-coated Bio-LSI. Operation potential was 0.0 V vs. Ag|AgCl|sat. KCl.

Keywords: amperometry, bioimaging, complementary metal-oxide semiconductor (CMOS) sensor, electrode array, hydrogen peroxide, simultaneous multipoint monitoring

Supplementary Movie 2

Title: Monitoring GOx activity.

Legend: The ×8 video monitoring of the H₂O₂ generation and diffusion after glucose addition on partially GOx-spotted Os-HRP-coated Bio-LSI. Operation potential was 0.0 V vs. Ag|AgCl|sat. KCl.

Keywords: amperometry, bioimaging, complementary metal-oxide semiconductor (CMOS) sensor, electrode array, glucose oxidase, hydrogen peroxide, simultaneous multipoint monitoring