

Supporting information for

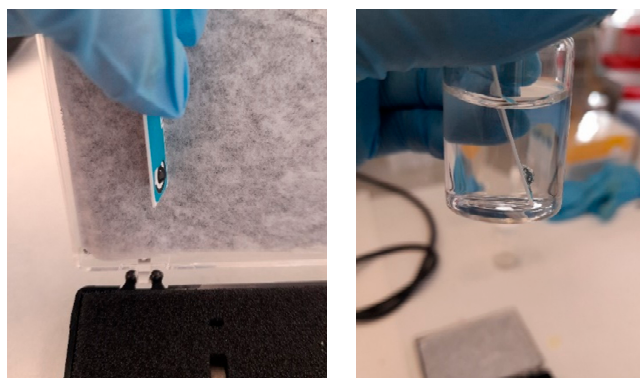
# Disposable Electrochemical Biosensor Based on the Inhibition of Alkaline Phosphatase Encapsulated in Acrylamide Hydrogels

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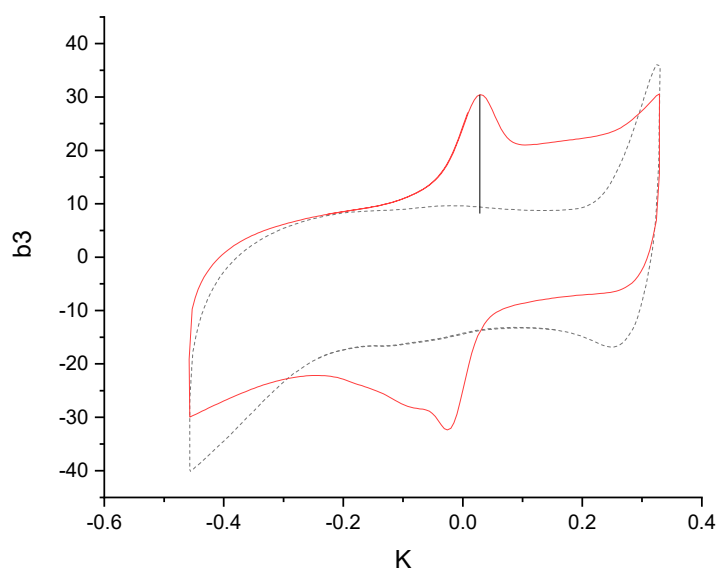
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**Figure S1.** Photographic images of the AETAC hydrogels adhered to the working electrode of the SPE.



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**Figure S2.** Cyclic voltammograms recorded with *ALP@AETAC*-modified electrode in a solution of 0.5 mM HQ2P in trizma buffer solution containing sodium chloride (50 mM), sodium sulphate (50 mM) and sodium nitrate (50 mM). Dashed line: Initial voltammogram in the presence of the substrate. Solid line: After 20 min of the addition of the substrate.