

Electronic supplementary material

Mediated Electron Transfer in a Photo-Bioreactor: Continuous Flow Hydroxylation Using Cytochrome P450 BM3 In NADPH-Free Conditions

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Table of Contents

Figure S1. NADPH consumption using immobilized and free P450 BM3.

Figure S2. The continuous flow flat-bed reactor design and measurements.

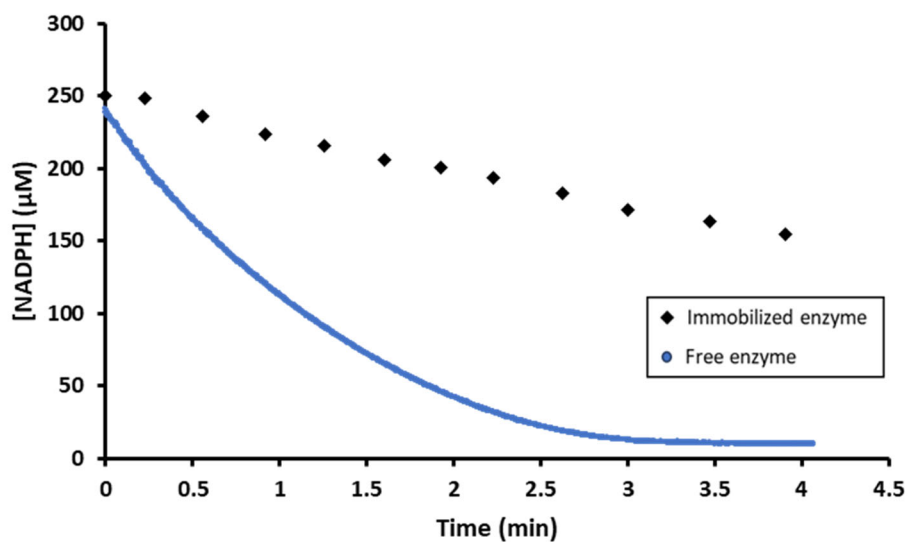


Figure S1. NADPH consumption using immobilized and free P450 BM3. The same enzyme concentration (1 μM) was used in presence of lauric acid (0.4 mM) and NADPH (250 μM) in phosphate buffer (pH 7.2). NADPH quantification was continuously monitored at 340 nm for the free enzyme. For the immobilized enzyme a discontinuous assay was used.

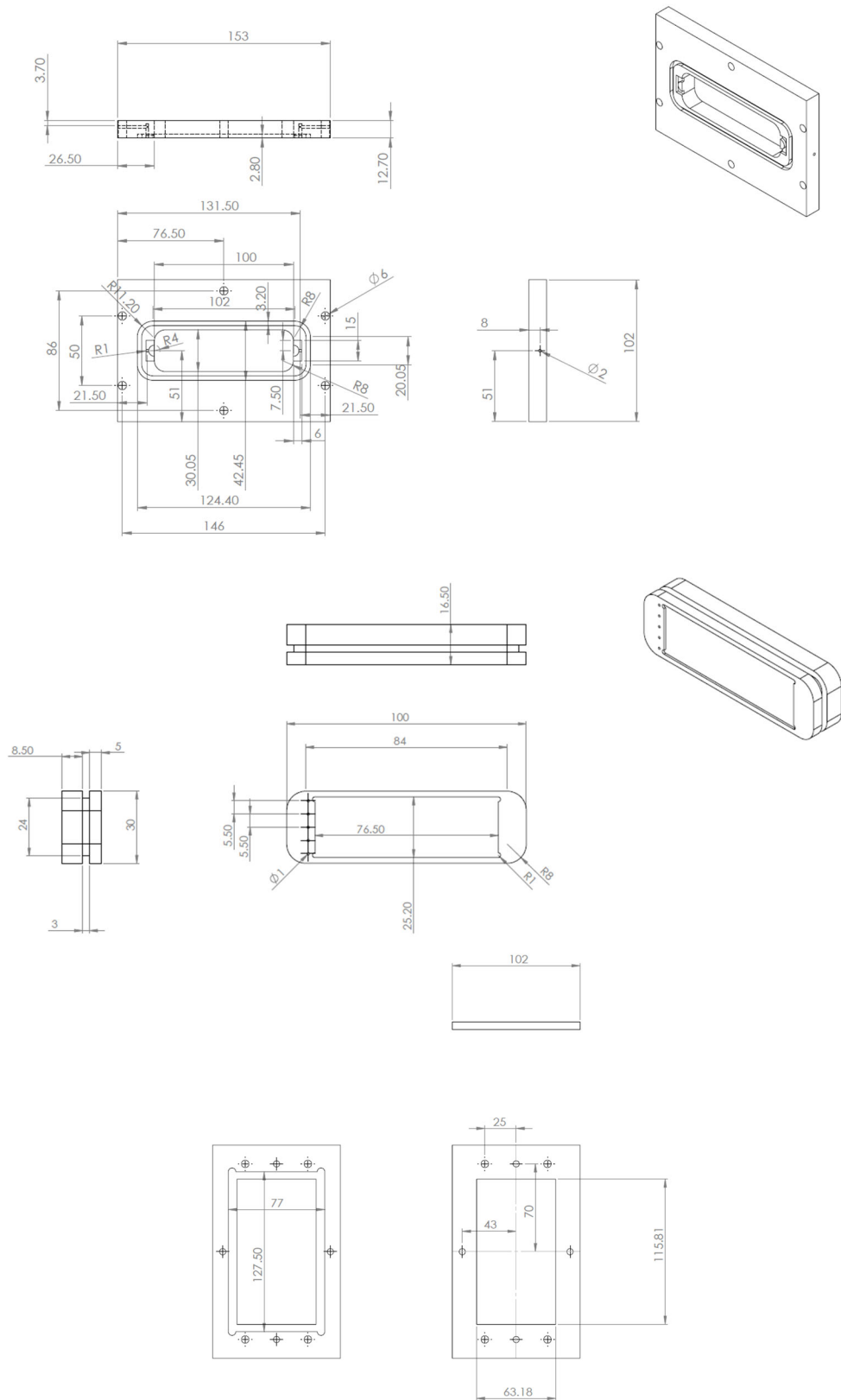


Figure S2. The continuous flow flat-bed reactor design and measurements. Scheme drawn using DOLIDWORKS AutoCAD. All measurements are presented in mm.