

Figure S1. Immobilization course of TLL over octyl agarose using enzyme loading of 20 mg/g. The immobilization was performed in 5 mM sodium phosphate at 25 °C and pH 7.0. Squares: reference and circles: supernatant. Other specifications are described in Methods.

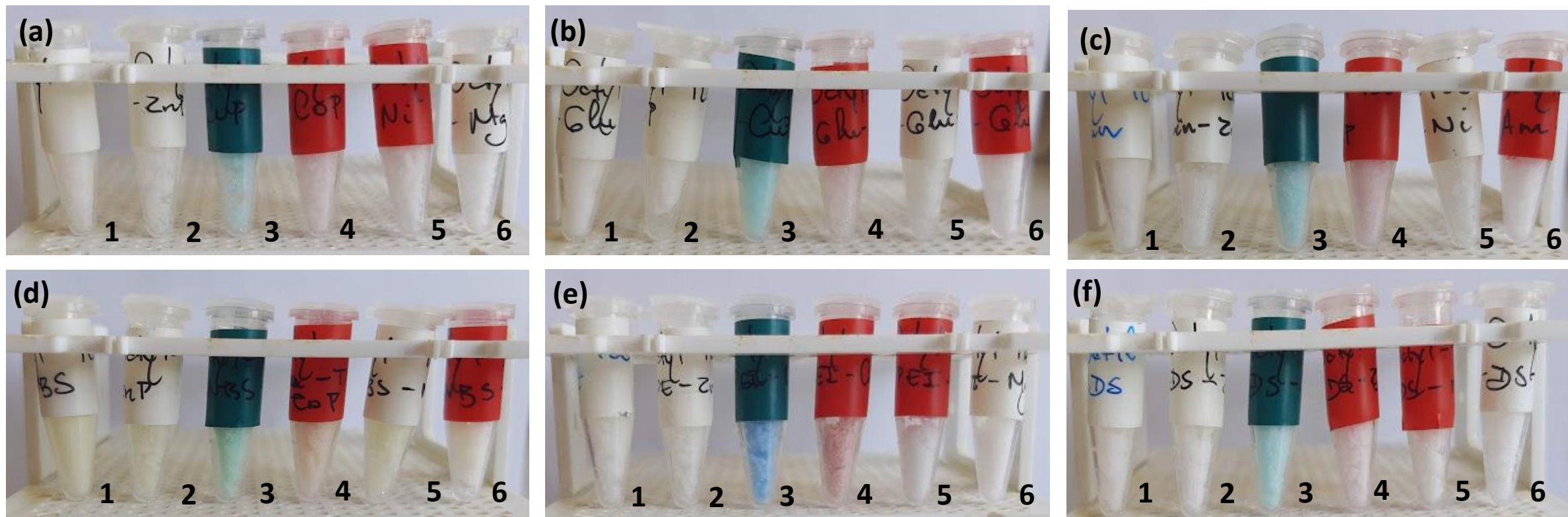


Figure S2. (a) Octyl-TLL biocatalysts modified with (b) 1% glutaraldehyde, (c) amination using 2 M ethylenediamine, (d) 1 mM picrylsulfonic acid, (e) 10% polyethylenimine, and (f) 10% dextran sulfate (1) untreated and (2-6) treated with (2) ZnCl_2 /sodium phosphate, (3) CuCl_2 /sodium phosphate, (4) CoCl_2 /sodium phosphate, (5) NiCl_2 /sodium phosphate, and (6) MgCl_2 /sodium phosphate. Other specifications are described in Methods.

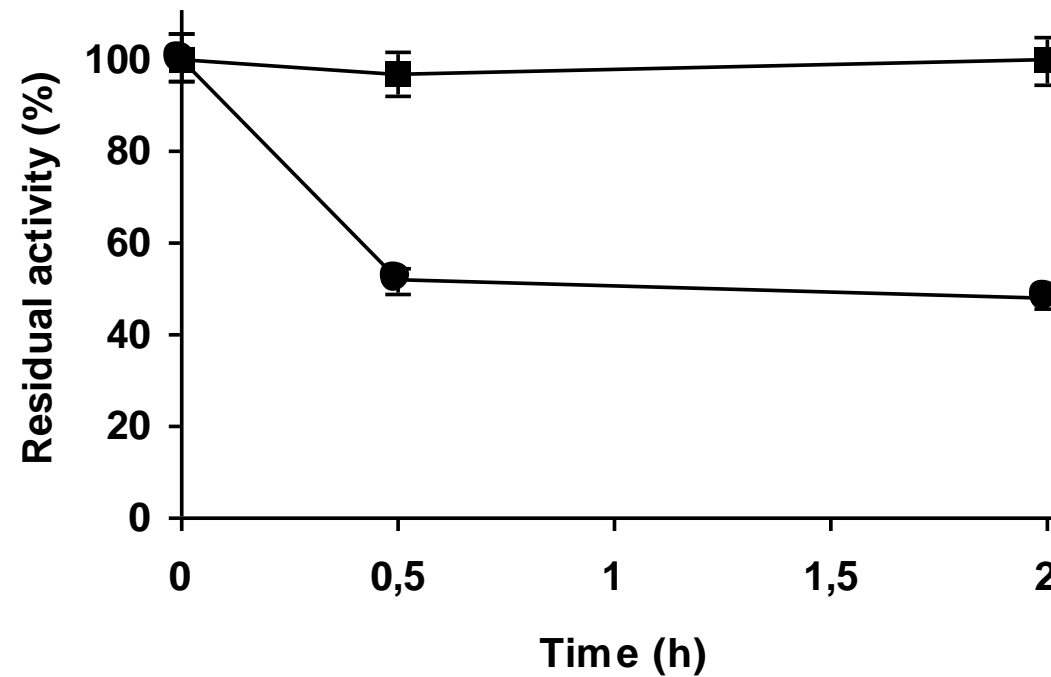


Figure S3. Immobilization course of CALB over octyl agarose using enzyme loading of 20 mg/g. The immobilization was performed in 5 mM sodium phosphate at 25 °C and pH 7.0. Squares: reference and circles: supernatant. Other specifications are described in Methods.

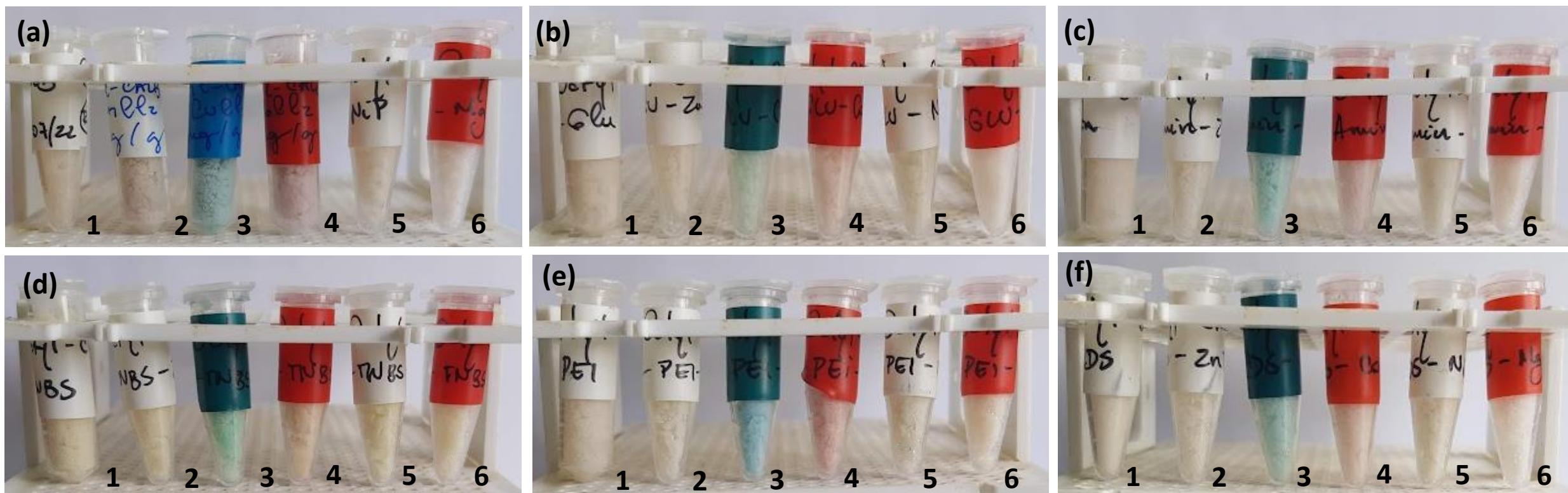


Figure S4. (a) Octyl-CALB biocatalysts modified with (b) 1% glutaraldehyde, (c) amination using 2 M ethylenediamine, (d) 1 mM picrylsulfonic acid, (e) 10% polyethylenimine, and (f) 10% dextran sulfate (1) untreated and (2-6) treated with (2) ZnCl_2 /sodium phosphate, (3) CuCl_2 /sodium phosphate, (4) CoCl_2 /sodium phosphate, (5) NiCl_2 /sodium phosphate, and (6) MgCl_2 /sodium phosphate. Other specifications are described in Methods.