

Supplementary

Development of Recyclable Magnetic Cross Linked Enzyme Aggregates for the Synthesis of High Value Rare Sugar D-Tagatose in Aqueous Phase Catalysis

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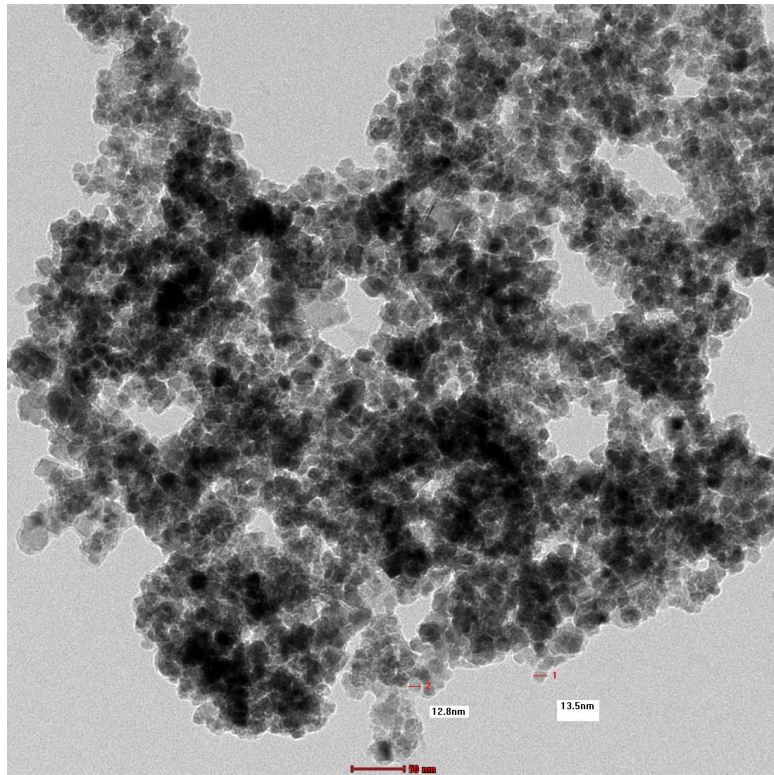


Figure S1. Transmission electron microscopy image (TEM) of magnetic nanoparticle at 50 nm scale bar.

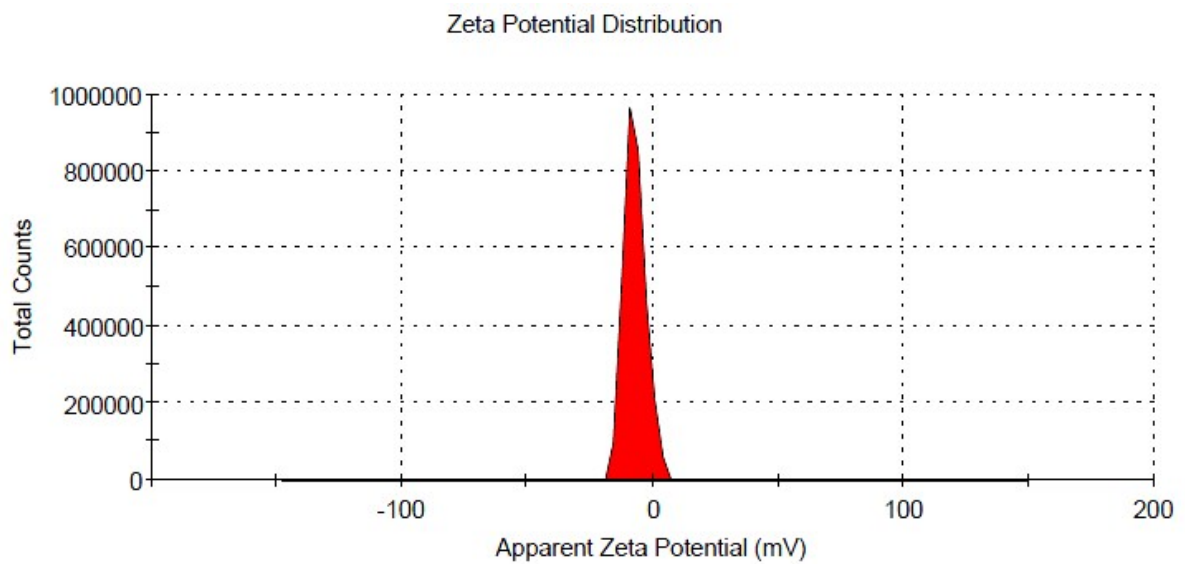


Figure S2. Zeta potential distribution graph of non-functionalized magnetic nanoparticles (MNP) showed a negative value of Zeta potential -7.22 ± 4.28 .

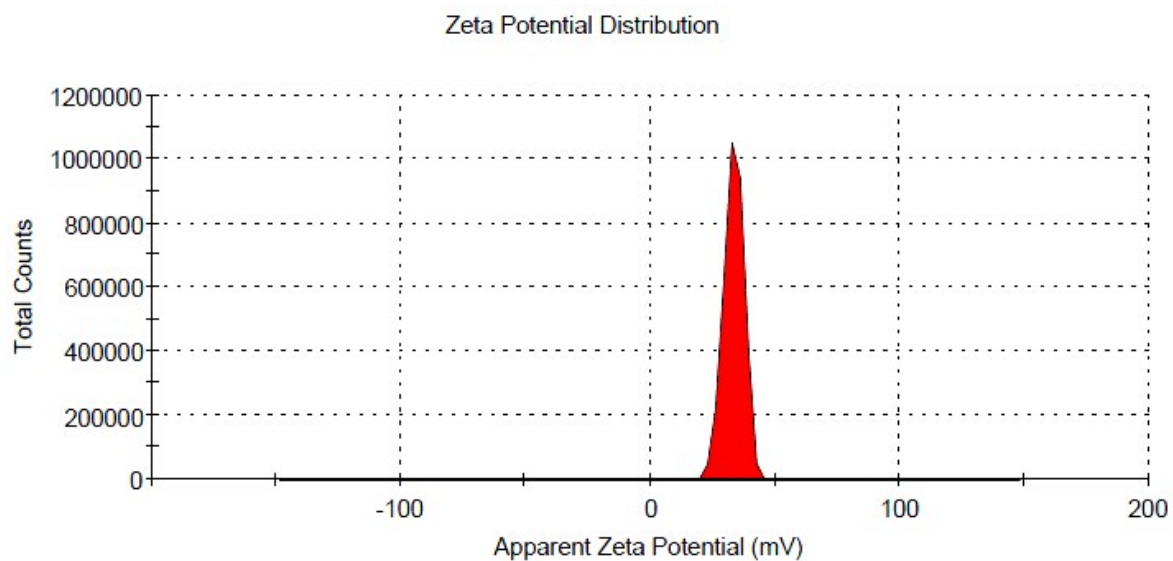


Figure S3. Zeta potential distribution graph of APTES functionalized magnetic nanoparticles (F-MNP) showed a positive value of Zeta potential 33.4 ± 3.96 .

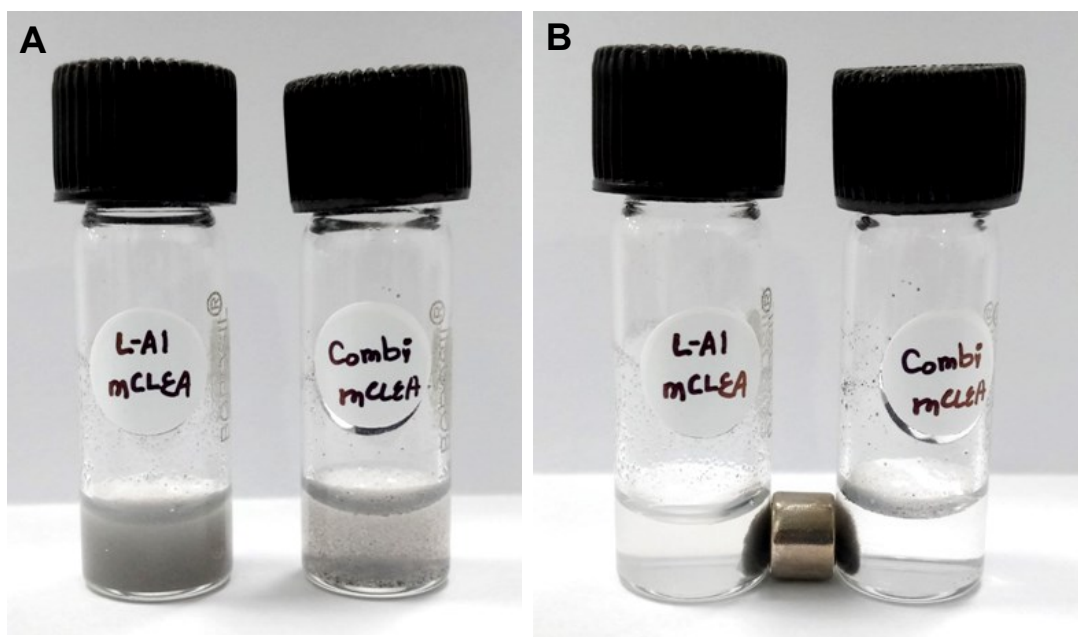


Figure S4. Photograph of immobilized L-AI mCLEA and Combi-CLEA recovered from the reaction mixture in a batch operation using an external magnet.