## Supplementary data

## Sustainable and efficient method for sequential extraction of lutein and lipids from

## deep eutectic solvent pretreated Chlorella pyrenoidosa

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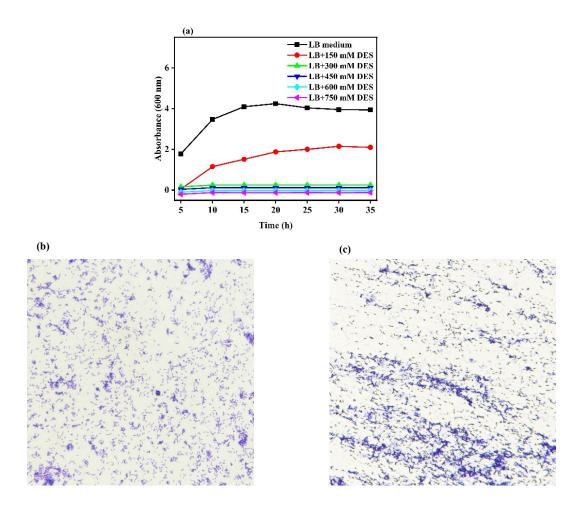


Fig. S1 (a) The cell growth curve of *E.coli* in different media with different supplementary of DES; (b) Staining plot of *E. coli* cells in LB medium under a microscope; (c) Staining plot of *E. coli* cells in LB medium with supplementary of 150 mM DES under a microscope.