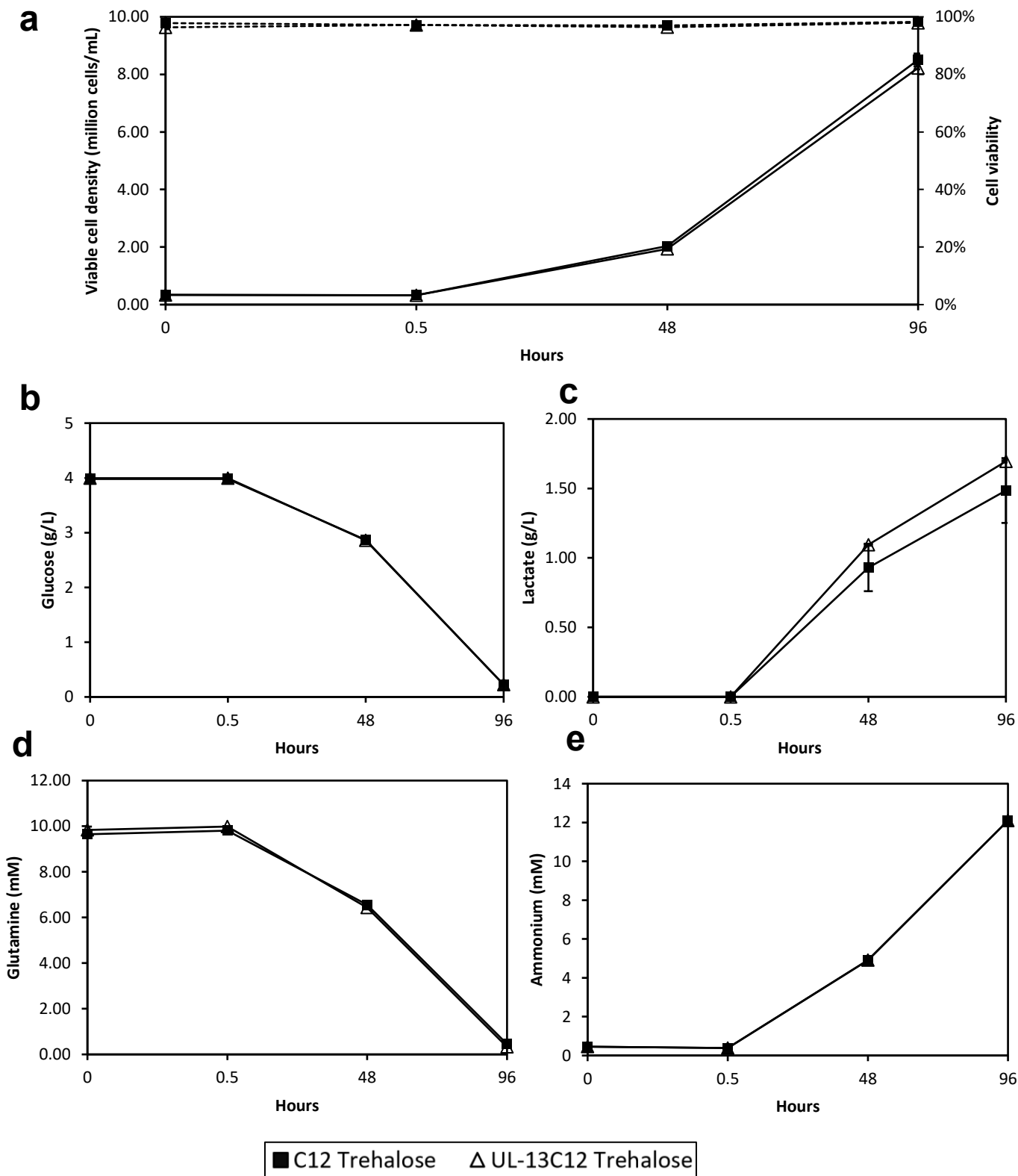




Supplementary figure S2. Growth and biochemical profiles of CHO-K1 cells cultivated in protein-free chemically defined medium (PFCDM) with natural glucose and labeled [UL-13C12] trehalose as carbohydrate sources. CHO-K1 cells originally cultured in PFCDM with 6 g/l of glucose as main carbohydrate source were sub-cultivated in PFCDM with 4 g/l glucose and either 10 g/l of natural C12 trehalose (■) or labeled [UL-13C12] trehalose (△). The cultures were monitored on at 0, 0.5, 48 and 96 h post-inoculation to obtain their (a) viable cell densities (—) and cell viabilities (·····) and extracellular (b) glucose, (c) lactate, (d) glutamine, (e) ammonium profiles. Mean and s.d. values from 2 independent replicates are plotted.