

Table 2

Average net conversion rates (q_i), expressed per Cmol of biomass (X), and carbon and redox recoveries of the steady-state aerobic glucose-limited chemostat cultivations of *E. coli* carried out at a dilution rate $D = 0.1 \text{ h}^{-1}$ in two different chemostat systems.

Chemostat volume	q_X^a (mCmolX/CmolX h)	q_S (mmol/CmolX h)	q_{O_2} (mmol/CmolX h)	q_{CO_2} (mmol/CmolX h)	q_{bp} (mCmol/CmolX h)	Carbon recovery (%)	Redox recovery (%)
4 L	123.8 ± 4.9	-38.3 ± 2.9	-93.9 ± 3.4	97.1 ± 7.9	20.6 ± 1.7	96.1	97.4
0.5 L	121.9 ± 4.1	-39.0 ± 2.2	-96.6 ± 3.3	101.5 ± 6.0	19.3 ± 2.5	95.5	96.0

Note: In the table, 1 Cmol is the amount of compound containing 1 mol of carbon. q_X , biomass formation rate; q_S , glucose consumption rate; q_{O_2} , oxygen consumption rate; q_{CO_2} , carbon dioxide production rate; q_{bp} , by-product formation rate.

^a $q_X = q_X + q_{bp}$ (see text)