

**Table 1.** Growth parameters of *Escherichia coli* grown in an aerobic glucose-limited recycling fermentor. SPR = 0.00075 mol glucose/h · l;  $dX/dt$ ,  $Y$  and  $\mu$  are respectively expressed as mg biomass/h, g biomass/mol and  $h^{-1}$ . Vessel volume = 1000 ml

Parameter	Phase 1	Phase 2	Phase 3
$dX/dt$	53.0	40.4	29.7
$Y_{\text{glucose}}$	70.7	53.9	39.6
$\mu$ -values	0.15 to 0.066	0.050 to 0.0143	< 0.0105