

Table 1. Concentrations of biomass, glucose, acetate and ammonium and volumetric CTR and OTR during steady-state growth of *E. coli* TG1 at various dilution rates in glucose-limited continuous cultures

Data consistency was analysed by determination of the carbon and nitrogen recoveries by applying reactor mass balances.

D (h ⁻¹)	Concentrations (g l ⁻¹)				CTR (g l ⁻¹ h ⁻¹)	OTR (g l ⁻¹ h ⁻¹)	Recovery (%)	
	Biomass	Glucose	Acetate	Ammonium			Carbon	Nitrogen
0.044	5.07	0.000	0.000	1.709	0.286	0.222	96	99
0.066	5.05	0.000	0.000	1.688	0.440	0.288	97	98
0.134	5.29	0.000	0.000	1.652	0.924	0.576	101	98
0.150	5.24	0.000	0.000	1.650	0.915	0.615	95	98
0.170	5.23	0.000	0.000	1.656	1.113	0.896	98	98
0.203	5.41	0.000	0.000	1.629	1.276	0.950	98	98
0.265	5.28	0.000	0.000	1.632	1.536	1.044	93	97
0.280	5.53	0.000	0.000	1.620	1.676	1.226	97	98
0.300	5.53	0.000	0.000	1.612	1.795	1.312	97	98
0.347	5.61	0.229	0.000	1.617	1.905	1.357	96	99
0.375	5.69	0.295	0.048	1.590	1.888	1.373	95	98
0.388	5.88	0.259	0.051	1.556	1.971	1.434	97	98
0.397	5.27	0.398	0.062	1.635	2.015	1.387	93	97
0.410	3.82	1.822	1.140	1.835	0.462	0.330	76	98
0.415	1.05	6.048	1.500	2.245	0.207	0.147	89	99