

TABLE 2. Kinetic constants and their temperature dependencies for *E. coli* grown with glucose as the sole source of carbon and energy

<i>E. coli</i> strain	<i>T</i> (°C)	K_s ($\mu\text{g liter}^{-1}$)	μ_{max} (h^{-1})	Cultivation method	Reference
ML 30	40	34 ^a	0.75	Chemostat	135
H	37	4,000	0.94	Batch	166
B/r Thy ⁻	37	180	1.04	Batch	260
ML 308	37	3,400	0.75	Batch	125
B/r CM6	37	540	NR ^c	Batch	19
K-12	37	7,160	0.76	Batch	52
ML 308	37	107	0.54	Chemostat	129
		2,340	1.23	Batch	
ML 30	37	53	0.80	Chemostat	224
		72	0.92		
ML 30	37	33 ^a	0.76	Chemostat	34
B/r Thy ⁻	30	180	NR	Batch	260
NR ^c	30	77,000–99,000	0.92–1.05	Chemostat	222
ML 30G	30	68 ^b	0.78	Batch	226
		12,600			
ML 30	28.4	33 ^a	0.54	Chemostat	34
O-124	26	2,400	0.55	Batch	49
OUMI7020	20	8,460 ^b	0.55	Batch	109
		46,800			
NR ^c	20	8,000	0.65	Chemostat	111
ML 30	17.4	33 ^a	0.19	Chemostat	34

^a The extended Monod model (equation 4) was fitted to the experimental data.

^b Two uptake systems of different affinity were reported.

^c NR, not reported.