

TABLE 3. Yield characteristics of *E. coli B* growing in glucose-limited aerobic continuous culture over the temperature range 17.5 to 42.0 C^a

Temp (C)	D (h ⁻¹)	X (μg [dry weight] per ml)	Output (mg [dry weight] per h)	Respiration (mmol of O ₂ per h)	Y ₀ (g [dry weight] per g-atom of O)
17.5	0.086	379	10.8	0.32	16.9
	0.091	373	11.1	0.28	19.3
	0.145	369	17.7	0.41	22.0
	0.192	220	13.9	0.32	21.9
	0.269	97	8.6	0.18	24.2
	0.370	21	2.6	0.055	24.5
23.5	0.127	331	13.9	0.45	15.4
	0.183	367	22.2	0.55	20.0
	0.229	365	27.6	0.70	19.7
	0.293	398	38.6	0.89	21.6
	0.336	419	46.9	0.99	23.6
	0.373	273	34.1	0.80	21.2
30.0	0.172	332	18.3	0.57	16.1
	0.172	335	19.0	0.56	17.0
	0.236	367	28.6	0.78	18.3
	0.295	378	36.8	0.90	20.4
	0.078	203	5.38	0.24	11.2
	0.130	221	9.49	0.32	14.6
	0.181	242	14.7	0.46	16.2
	0.233	280	21.6	0.58	18.8
32.0	0.108	257	9.25	0.34	12.6
	0.134	210	9.29	0.33	13.9
	0.191	265	11.6	0.52	16.1
	0.254	276	23.2	0.64	18.0
34.5	0.108	196	7.06	0.33	10.7
	0.161	199	10.6	0.45	11.7
	0.210	198	13.7	0.57	13.7
	0.270	201	18.0	0.72	12.5
42.0	0.112	126	5.67	0.54	5.25
	0.159	130	8.20	0.59	6.89
	0.268	115	12.1	0.80	7.56
	0.324	118	15.2	0.81	9.38

^a A 330-ml culture vessel was used. The glucose concentration in reservoir medium was 4 to 5 mM. Aeration rates were 1.5 to 3.5 liters/h (see reference 8).