

TABLE 1  
*Growth rates of E. coli strains as a function of carbon and nitrogen sources*

Carbon source	Nitrogen source	Growth rates				
		ML30	ML308	B	K12 S20505	C600
Glucose	Difco Casamino acids + Difco yeast extract	1.77	1.67	1.82	1.58; 1.25	1.58
Glucose	Difco Casamino acids	—	1.07; 1.09; 1.09; 1.09; 1.15; 1.25	—	0.94	1.18
Glucose	Ammonia	0.85	0.71; 0.86; 0.88; 0.94; 0.95	0.92	0.70; 0.69	0.85
Succinate	Ammonia	0.49	0.47; 0.26; 0.46; 0.55; 0.60	0.40	—	—
Glycerol	Ammonia	—	—	—	0.59; 0.62	0.56
Rhamnose	Ammonia	—	0.31; 0.32	0.36	0.25	0.35
Succinate	Glutamate	0.31	0.17; 0.25; 0.31	—	—	—
Glucose	Aspartate	—	0.11; 0.20; 0.28	—	—	—

The carbon source was in all cases added at a concentration of 2 g/l. of medium. The nitrogen source was added at a concentration of 4 g/l. Difco yeast extract was added at a concentration of 3 g/l. In the case of K12 S20505 and C600, the medium contained 1 mg/l. of vitamin B<sub>1</sub> and, in the case of C600, it contained in addition L-leucine (0.001 M) and L-threonine (0.002 M).