

TABLE 1. Effect of amino acid starvation on dimensions of *E. coli* B *ilvA thyA*^a

Carbon source	Doubling time (min)	Type of starvation	Mean cell length (μm) ^b	Mean cell diam (μm) ^b	Mean cell vol (μm ³) ^c
Glucose	50		2.72 (26.3)	0.98 (6.1)	1.804
		60 min +αMM	2.14 (21.7)	0.88 (5.3)	1.122
Glycerol	60		2.45 (25.0)	0.76 (5.3)	0.996
		60 min +αMM	2.00 (21.7)	0.66 (6.1)	0.609
Glycerol	60		2.27 (21.6)	0.77 (6.9)	0.937
		60 min -isoleucine	1.94 (18.8)	0.71 (5.4)	0.674

^a Cells of *E. coli* B exponentially growing at different growth rates were starved for an amino acid. Samples (1 ml each) were removed at the beginning and the end of starvation and were treated as described in the legend to Fig. 2.

^b Numbers in parentheses are the coefficients of variation [(standard deviation/mean) × 100].

^c Calculated as described in the legend to Fig. 2.