

Table I. Precursor requirements for synthesis of 40-min cell.

Component	Percent	$\mu\text{mol/g DW}$
Amino acids		
Ala	9.60	488
Arg	5.53	281
Asn	4.51	229
Asp	4.51	229
Cys	1.71	87
Glu	4.92	250
Gln	4.92	250
Gly	4.92	582
His	1.77	90
Ile	5.43	276
Leu	8.42	428
Lys	6.42	326
Met	2.87	146
Phe	3.46	176
Pro	4.13	210
Ser	4.03	205
Thr	4.74	241
Trp	1.06	54
Tyr	2.58	131
Val	7.91	402
rNTPs		
ATP	26.2	165
GTP	32.2	203
CTP	20.0	126
UTP	21.6	136
dNTPS		
dATP	24.7	24.7
dGTP	25.4	25.4
dCTP	25.4	25.4
TTP	24.7	24.7

Amino acids, ribonucleotide triphosphates (rNTPs), and deoxyribonucleotide triphosphates (dNTPs) are given in percentage of the biopolymer and as micromoles per gram dry weight ($\mu\text{mol/g DW}$) of cells (Neidhardt, 1987).