

Table 1. Composition of *Escherichia coli* Cells by Dry Weight (g/100 g cells)

Cell Constituent	Stouthamer [38] ^a	Lengeler <i>et al.</i> [39]	Neihardt <i>et al.</i> [40]
Protein	52.4	50–60	55.0
Polysaccharide	16.6 ^b		
Glycogen		2.5–25	2.5
Lipopolysaccharide		3–4	3.4
Murein		3–10	2.5
RNA	15.7	10–20	20.5
DNA	3.2	3	3.1
Lipid	9.4	10	9.1
Metabolites, ions		4	3.9

^aThese values are not strictly for *E. coli* as they are taken from a 1968 book by Harold Morowitz, who provided the values in the context of estimating the chemical composition of 'biomass' for thermodynamic purposes, but without explicitly stating to which organism the values apply (probably an average of several).

^bHere, the polysaccharide value includes 10.3% hexose, which is consistent with the wide range for glycogen reported by Lengeler *et al.* [39].