

Table 2. Volume of an *E. coli* cell in different stages of growth and media. Volumes from [31] were determined for *E. coli* B/r by assessing pellet volume and cell number (Coulter counter); volumes from [28] were determined for *E. coli* K-12 BW25113 by microscopy analysis

Growth phase	Growth medium	Cell length (μm)	Cell width (μm)	Cell volume (μm^3)	Reference
Stationary	M9: minimal glucose medium	N/A	N/A	0.435 ± 0.01	[31]
	Nutrient broth	N/A	N/A	0.57 ± 0.13	[31]
Exponential	M9: minimal glucose medium	N/A	N/A	1.06 ± 0.23	[31]
	Nutrient broth	N/A	N/A	1.72 ± 0.3	[31]
Stationary	M9: minimal glucose medium	1.6 ± 0.4	1.1 ± 0.2	1.5 ± 1.2	[28]
Exponential	LB complex medium	3.9 ± 0.9	1.3 ± 0.2	4.4 ± 1.1	[28]
	M9 minimal glucose medium	3.0 ± 0.7	1.4 ± 0.2	3.2 ± 1.2	[28]
	M9 minimal glucose medium, anaerobic	2.8 ± 0.7	1.3 ± 0.2	2.9 ± 1.2	[28]

28. Volkmer B, Heinemann M. Condition-Dependent cell volume and concentration of *Escherichia coli* to facilitate data conversion for systems biology modeling. *PLoS One* 2011;**6**:1–6.
31. Kubitschek HE, Friske J a. Determination of bacterial cell volume with the Coulter Counter. *J Bacteriol* 1986;**168**:1466–7.