

TABLE 1. Calculated values for percent dry weight of bacterial cells based on experimental values for percent dry weight of bacterial pellets and percent intercellular water and experimentally determined values for percent carbon in dry cells<sup>a</sup>

Bacteria	Expt	% Dry wt of bacterial pellet	% Intercellular water	% Salt in media	% Dry wt of bacterial cells	% Carbon in dry cells
<i>B. subtilis</i>	1	10.7 ± 0.3	91.2 ± 2.7	1.35 ± 0.02	54.9 ± 7.7	47.2 ± 1.5
	2	12.0 ± 0.2	86.5 ± 1.7		48.1 ± 3.1	50.4 ± 1.7
<i>E. coli</i>	1	22.5 ± 0.1	38.8 ± 0.8	1.21 ± 0.02	31.8 ± 0.3	47.8
	2	23.2 ± 0.1	34.5 ± 1.9		31.3 ± 0.6	47.9 ± 0.2
	3	23.7 ± 0.04	32.0 ± 0.6		31.1 ± 0.2	48.3 ± 0.003
<i>P. putida</i>	1	18.9 ± 0.1	62.3 ± 1.3	2.90 ± 0.04	36.4 ± 0.8	47.8 ± 0.1
	2	20.1 ± 0.1	71.6 ± 3.7		44.7 ± 3.1	46.9 ± 0.7
	3 <sup>b</sup>	29.1 ± 1.1	70.9 ± 8.9	2.75 ± 0.03	57.3 ± 7.5	45.7 ± 0.8
	4 <sup>c</sup>	18.8 ± 0.3	83.0 ± 10		55.1 ± 15	45.3

<sup>a</sup> The precision limits given are standard error of the mean (SEM). Five to eight replicas were used for determination of percent dry weight in bacterial pellets, four to seven were used for determination of percent salt in the media, and one to four were used for determination of percent carbon in the dry cells. SEM for percent intercellular water was calculated as the error propagated from the determination of radioactivity in the supernatants, two to four replicas for each radioactivity determination. SEM for percent dry weight of cells was calculated as the error propagated from the determination of percent dry weight of the pellets, percent intercellular water, and percent salt in the media.

<sup>b</sup> Phosphate-starved cells; phosphate concentration in medium 1/10 of standard.

<sup>c</sup> Nitrogen-starved cells; nitrogen concentration in medium 1/10 of standard.