

TABLE 1. Average values of pellet interstitial fluid volume, cell volume determined by pelleting, and cell volume determined with the Coulter Counter-Analyzer System

Culture type and medium <sup>a</sup>	Avg pellet vol	Fractional vol $\pm$ SE <sup>b</sup>	No. of cells in pellet ( $10^9$ )	$V_1^c$	$V_c^d$
<b>Stationary culture</b>					
M9	0.41	$0.31 \pm 0.02$	6.6	0.43	0.44
	0.47	$0.31 \pm 0.01$	6.2	0.52	0.43
NB	0.10	$0.30 \pm 0.06$	1.9	0.36	0.42
	0.445	$0.35 \pm 0.08$	4.8	0.61	0.65
	0.48	$0.30 \pm 0.05$	4.6	0.73	0.63
<b>Growing culture</b>					
M9	0.475	$0.30 \pm 0.04$	3.9	0.85	0.90
	0.41	$0.29 \pm 0.03$	2.5	1.16	1.22
NB	0.39	$0.25 \pm 0.05$	2.0	1.50	1.65
	0.375	$0.32 \pm 0.05$	1.7	1.53	1.68
	0.54	$0.33 \pm 0.04$	2.0	1.80	1.70
	0.65	$0.28 \pm 0.02$	2.3	2.05	1.79

<sup>a</sup> Minimal M9-glucose medium and nutrient broth (NB) were used for stationary and for growing cultures.

<sup>b</sup> Fractional interstitial fluid volume in pellet from the three different kinds of measurement.

<sup>c</sup> Pellet mean cell volume: average pellet volume  $\times$  (1 - fractional interstitial fluid volume in pellet)/number of cells in pellet.

<sup>d</sup> Mean cell volume from Counter Counter-Analyzer cell size distribution.