

TABLE 1. Major changes in amino acid pool levels consequent upon growth with acetate or benzoate

Amino acid	Pool size (mM) <sup>a</sup>		
	Control	Benzoate	Acetate
Glutamate	60.0 ± 6.0	44.4 ± 3.0	10.0 ± 2.0
Aspartate	3.1 ± 0.6	1.2 ± 0.2	0.3 ± 0.2
Lysine	1.8 ± 0.7	0.9 ± 0.1	1.1 ± 0.4
Arginine	4.8 ± 1.1	2.9 ± 0.1	0.7 ± 0.4
Glutamine	1.2 ± 0.5	0.6 ± 0.4	0.2 ± 0.3
Total amino acid pool	90 ± 7.4	65 ± 6.5	25 ± 4.4

<sup>a</sup> Calculated on the basis of an intracellular volume of 1.6 μl · mg of cells<sup>-1</sup> (13). Values are means ± standard deviations.