TABLE I
RATE OF ACID PRODUCTION BY ORGANISMS RESUSPENDED IN THE PRESENCE OF VARIOUS SUBSTRATES

Substrates were added to give 20 mM final concentration. Steady state cells refer to freshly harvested organisms; K^+ -depleted cells correspond to organisms whose K^+ -content has been lowered by incubation in glucose-free medium for 2 h at 37° C.

Substrate	Rate of acid production (μ equiv. H^{\dagger}/mg protein/min)		
	Steady state cells	K ⁺ -depleted cells	-
None	0.028	0.002	
Glucose	0.350	0.191	
Pyruvate	0.180	0.147	
L-Lactate	0.082	0.093	
D-Lactate	0.020	0.002	
Succinate	0.015	0.003	
Acetate	0.006	0,010	