

TABLE I

SOME CHARACTERISTICS OF *Aerobacter aerogenes*, STRAIN XXXV,  
DURING BALANCED GROWTH ON DIFFERENT SOURCES OF NITROGEN, CARBON, AND ENERGY

Medium number	Composition*	Growth rate constant $k$ ( $h^{-1}$ )	$\mu g$ RNA/mg protein	$v$ ( $\mu g$ RNA/mg protein/h)
1	Glucose, $NH_4^+$ ( $\pm$ L-serine)	1.29	535	690
2	Glucose, $NH_4^+$ , nucleosides	1.25	510	635
3	Nucleosides, $NH_4^+$	1.06	465	495
4	Inositol, $NH_4^+$	0.91	405	370
5	Glycerol, $NH_4^+$	0.90	430	390
6	Glucose, L-alanine	0.90	410	365
7	L-Histidine, $NH_4^+$	0.69	350	240
8	Glucose, L-serine	0.68	370	255
9	Glucose, L-arginine	0.36	305	110

\* Additions to basal solution P.