

TABLE 1
 Isoelectric points for 31 bacterial species determined
 by using acetate-HCl buffer

GRAM POSITIVE SPECIES	ISO-ELECTRIC POINT (pH)	REVERSIBILITY OF CHARGE
<i>Mycobacterium tuberculosis</i> (human strain).....	4.15	+
<i>Bacillus sphaericus</i>	3.99	+
<i>Bacillus terminalis</i>	3.57	+
<i>Bacillus cereus</i>	3.55	+
<i>Rhodospirillum rubrum</i>	3.46	+
<i>Bacillus brevis</i>	3.20	+
<i>Bacillus polymyxa</i>	3.12	+
<i>Erysipelothrix rhusiopathiae</i>	2.91	+
<i>Clostridium sporogenes</i>	2.75	+
<i>Lactobacillus casei</i> , strain 9595....	2.45	+
<i>Leuconostoc mesenteroides</i> , strain 8042.....	2.25	+
<i>Sarcina lutea</i>	2.20	+
<i>Bacillus subtilis</i>	2.19	-
<i>Micrococcus citreus</i>	1.90*	-
<i>Streptococcus faecalis</i> , strain 9790..	1.90*	-
<i>Bacillus alvei</i>	1.85*	-
<i>Bacillus megaterium</i> , strain 8245...	1.80*	-
<i>Bacillus pumilis</i>	1.75*	-
GRAM NEGATIVE SPECIES		
<i>Mycoplasma bullata</i> , strain 4278.....	3.65	+
<i>Moraxella bovis</i>	3.47	+
<i>Alkaligenes faecalis</i> , strain 8749...	3.28	+
<i>Pseudomonas cyanogenes</i> , strain 795.....	3.25	+
<i>Erwinia carotovora</i> , strain 495.....	2.99	+
<i>Pseudomonas convexa</i>	2.95	+
<i>Proteus vulgaris</i>	2.67	-
<i>Klebsiella pneumoniae</i>	2.48	-
<i>Aerobacter aerogenes</i>	2.42	-
<i>Serratia marcescens</i>	2.17	-
<i>Pseudomonas aeruginosa</i>	2.17	-
<i>Salmonella pullorum</i>	2.12	-
<i>Azotobacter chroococcum</i>	2.07	-

* It was necessary to use one-tenth normal acids to obtain pH values below 2.0; hence, these solutions have an ionic strength of 0.1 μ .