EFFECT OF BIOTIN ON NITROGEN CONTENT OF YEAST

THE "biotin effect", or the rise in the respiratory and growth-rate of biotin-free yeast (*S. cerivisecæ*) on the addition of biotin in the presence of assimilable nitrogen, has been noted by Winzler and co-workers.[1] But an adverse effect on the nitrogen content of yeast was observed by Hartelius[2] on the addition of biotin in the presence of β-alanine or pantothenic acid, while thiamin or glutamic acid raised the nitrogen content.

The present note is a report of the effect of biotin on the nitrogen content of *S. cerivisecæ*

TABLE I

Effect of biotin on the nitrogen content of yeast

Period of incubation in hours	Total N_2 in mg./ml.	
	With Biotin	Without Biotin
0	0·7467	0·7467
12	0·7830	0·6681
24	0·7348	0·6116
36	0·7104	0·6148
48	0·7298	0·5961
60	0·7138	0·5818
72	0·6951	0·5890