

عنوان مقاله:

STUDY ON LYSINE FERMENTATIVE PRODUCTION BY CORYNEBACTERIUM GLUTAMICUM AND BREVIBACTERIUM FLUVUM

محل انتشار:

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خلاصه مقاله:

Currently, fermentation products particularly amino acids, have a special position in world market. Lysine, the second important amino acid in food and feed industry, is one of these products. Microbial growth and lysine production in lysine producing microorganism depend on various parameters: as well as their operating conditions. Therefore, effective parameters and operational conditions should be identified and optimized. In this investigation, a brief study on the effect of different parameters on growth and lysine production was performed. Corynebacterium glutamicum PTCC 1603 and Brevibacterium flavum PTCC 1532 (lysine producer microorganisms) were employed using synthetic (glucose) media. Results showed that using 10% glucose (synthetic media) for Corynebacterium glutamicum and Brevibacterium flavum leads to production of 5.73 and 4.98 (gr/lit) lysine, respectively.

کلمات کلیدی:

Lysine, Corynebacterium glutamicum, Brevibacterium flavum, Glucose, Taguchi

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