

Effect of carbon and nitrogen sources on glucoamylase production in *Lactobacillus brevis*

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Abstract

A strain of *Lactobacillus brevis* produced extracellular glucoamylase. Induction of the glucoamylase occurred when saccharides such as starch, dextrin, maltose, mannitol and sucrose were employed as sole carbon sources. Synthesis of the amylase also occurred when soybean extract and peptone were used as sole nitrogen sources. The organism could be employed as a starter culture for local food fermentation.

Keywords: Lactobacillus, Amylase, Nitrogen Source, Lactic Acid, Bacterium Inulin

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