

Isolation and purification of sucrose phosphorylase from acetobactor xylinum and synthesis of sucrose by sucrose phosphorylase

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Abstract:

Acetobactor xylinum was grown in a sucrose phosphate medium. The time taken to reach the late log phase depends on the age of the inoculum. When grown in a medium containing surfactant the amount of protein too increased other than the wet weight. Storage temperatures of Acetobactor xylinum extracts affects the activity of sucrose phosphorylase. Synthesis of scucose using sucrose phosphorylase from preparations of Acetobactor xylinum was measured by the decrease in concentration of fructose Phosphatses and Invertase were found to deorease the synthesis of sucrose.

Key Words :Phosphorylases / ENZYMES