Volume 7

Analysis of Data on Xanthan Fermentation in Stationary Phase Using Black Box and Metabolic Network Models

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摘要 The xanthan fermentation data in the stationary phase was analyzed using the black box and
the metabolic network models. The data consistency ls checked through the elemental balance
in the black box model. In the metabolic network model, the metabolic flux distribution in
the cell is calculated using the metabolic flux analysis method, then the maintenance
coefficients is calculated.

关键词 数据分析 黄原胶 发酵法 固定相 代谢模型 黑盒子模型
分类号
DOI:

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Key words xanthan fermentation; black box model; metabolic flux analysis; maintenance coefficients

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