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HOE 92/F 184K

Abstract:

Pseudomonas aeruginosa and its use in a process for the biotechnological production of L-rhamnose

Bacterial strains are capable of the formation of rhamnolipids, which they generate in the culture solution. If bacteria of the type *Pseudomonas aeruginosa* are employed for the fermentation, these microorganisms synthesize rhamnolipids in a concentration of 70 - 120 g/l of culture solution. The L-rhamnose can be recovered directly from the culture solution by hydrolysis of the rhamnolipids, i.e. without a complicated separation of the cell material and without isolation of the rhamnolipids before hydrolysis.

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