Title (en)

FERMENTATION PROCESS FOR THE PREPARATION OF L-AMINO ACIDS USING CORYNEFORM BACTERIA

Title (de)

FERMENTATIONSVERFAHREN ZUR HERSTELLUNG VON L-AMINOSÄUREN MIT CORYNEFORMEN BAKTERIEN

Title (fr)

PROCESSUS DE FERMENTATION POUR LA PREPARATION D'ACIDES AMINES L A L'AIDE DE BACTERIES CORYNEFORMES

Publication

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Application

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Abstract (en)

[origin: WO03054207A2] The invention relates to a process for the preparation of L-amino acids in which the following steps are carried out: a) fermentation of coryneform bacteria producing the desired L-amino acid, in which at least the gene coding for a small integral C4-dicarboxylate membrane transport protein and/or the gene coding for the 2-oxoglutarate/malate translocator are attenuated; b) enrichment of the desired L-amino acid in the medium or in the cells of the bacteria; and c) isolation of the L-amino acid, and optionally bacteria are used in which other genes of the biosynthetic pathway of the desired L-amino acid are additionally enhanced, or bacteria are used in which the metabolic pathways that decrease the formation of the desired L-amino acid are at least partially switched off.

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