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(54) Title: METHOD FOR THE PRODUCTION OF 1,3-PROPANEDIOL BY RECOMBINANT ORGANISMS COMPRISING GENES FOR VITAMIN B12 TRANSPORT

(57) Abstract

Recombinant organisms are provided comprising genes encoding genes encoding glycerol dehydratase, 1,3-propanediol oxidoreductase, a gene encoding vitamin B_{12} receptor precursor (BtuB), a gene encoding vitamin B_{12} transport system permease protein (BtuC) and a gene encoding vitamin B_{12} transport ATP-binding protein (BtuD). The recombinant microorganism is contacted with a carbon substrate and 1,3-propanediol is isolated from the growth media.