METHODS OF PRODUCING ISOPRENE AND A CO-PRODUCT

ABSTRACT

The invention features methods producing isoprene and a co-product, such as ethanol, 1,3- propanediol, or hydrogen from cultured cells. The invention also provides compositions that include these cultured cells. The invention provides compositions comprising isoprene and ethanol, isoprene and 1,3-propanediol, and isoprene and hydrogen. Additionally, the invention provides methods of co-producing isoprene and ethanol, isoprene and 1,3-propanediol, and isoprene and hydrogen by culturing cells under conditions suitable for co-production of isoprene and ethanol, isoprene and 1,3-propanediol, and isoprene and hydrogen.

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