

Kojic acid

Production of kojic acid from crude glycerol

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Embrapa
Agroenergy



Production of kojic acid from crude glycerol

Raw material

Process

End product

Crude glycerol

Fermentative

Kojic acid

Kojic acid production using selected filamentous fungus isolated from the Brazilian biodiversity. The production is carried out in a submerged fermentation with crude glycerol (glycerin), a biodiesel co-product, or a commercial standard glycerol as the sole source of carbon.

Applications

- + Cosmetics, pharmaceutical, chemical, and food industries.
- + Agriculture.

Advantages

- + Product with several commercial applications.
- + Adding value to the biodiesel production chain, with improved commercial and environmental sustainability.
- + Fungus from the Brazilian biodiversity preserved under quality standards at Embrapa Agroenergy's collection.
- + The filamentous fungus is able to produce kojic acid using glycerin (crude glycerol) from different biomasses.

Stage ► TRL/MRL 4 - Lab scale

Take this
technology
to another
stage



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with us
for other
potential
uses



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technology
the basis
of your
incubated
company

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