

# Kojic acid

Production of kojic acid from crude glycerol

Photo: Peterschreiber.media/iStock



**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



Research with us for other potential uses



Make this technology the basis of your incubated company

Person in charge: **MÔNICA CAMEZ TRICHES DAMASO**