



# Glutamate Synthase (GOGAT) Activity Assay Kit

## Product Information

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### Product Overview

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Glutamate synthase (GOGAT) is mainly present in prokaryotes, yeast, and plastids of non-green tissues in higher plants. Together with glutamine synthetase (GS), it forms the GS/GOGAT cycle and regulates ammonia assimilation.

GOGAT catalyzes the transfer of the amide group from glutamine to  $\alpha$ -ketoglutarate using NADH as an electron donor. The decrease in NADH absorbance at 340 nm reflects enzyme activity.

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### Size

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100 $\pm$ /96s

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### Storage

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Store at -20 °C. Shelf life: 6 months.

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### Synonyms

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GOGAT Kit

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**Detection method** Spectrophotometer/Microplate Reader

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### Technical Notes

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For measurements using a 96-well plate, a 96-well UV plate must be used.

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