CREATIVE BIOMART®
Assay Kit

Urease Activity Assay Kit (Colorimetric)

Product Information

Cat

Kit-1033

Common Name

Urease

Cat.No. Kit-1033

Description

Urease (EC 3.5.1.5) catalyzes the hydrolysis of urea into carbon dioxide and ammonia. Urease is found in certain bacteria, yeast, fungi, and plants. In addition, it is found environmentally in soil samples and fecal matter. Due to ammonia production, urease can play a role in the pathogenesis of certain medical conditions including urinary stones, peptic ulcers, and hepatic encephalopathy. As such, urease can be used as a diagnostic for gastrointestinal and urinary tract pathogens. Urease Activity Assay Kit provides a quick and easy way to determine urease activity. The kit uses a modified Berthelot method to detect ammonia, which can be measured at 670 nm. The kit is suitable for measuring urease activity of biological and soil samples as well as of purified enzyme. The limit of detection is below 0.001 mU.

Applications

Measurement of urease activity

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

Tel: 1-631-559-9269 1-516-512-3133

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Fax:1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

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Urease Activity Assay Kit (Colorimetric)

Urease Assay Buffer; Ammonia Reagent 1; Ammonia Reagent 2; Urea (50x); Urease; Ammonium Chloride Standard (100 mM)

Detection method Absorbance (670 nm)

Features & Benefits

Simple, fast and convenient; Suitable for measuring urease activity of biological and soil samples as well as of purified enzyme; limit of detection is below 0.001 mU

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