

General Urease Assay Kit | URE assay kit

Urease Microplate Assay Kit

CATALOG # AAA263955	REACTIVITY General	APPLICATIONS Functional Assay
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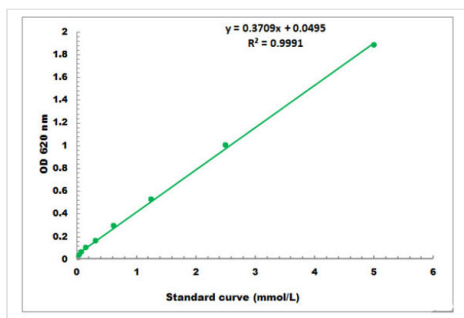
PRODUCT SYNONYMS

Urease; Urease Microplate Assay Kit; EC 3.5.1.5; Urea amidohydrolase; ureasa; Urease LF; URE assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	838
Samples	Urine, Tissue extracts, Cell lysate, Cell culture, Other biological fluids Samples
Applicable Applications for URE assay kit	FA (Functional Assay)
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for URE assay kit

Background: Urease (Amidohydrolase, EC 3.5.1.5) is an enzyme that catalyzes the hydrolysis of urea into carbon dioxide and ammonia. Many gastrointestinal or urinary tract pathogens produce urease. Thus its activity is a useful test parameter for the presence of pathogens such as *Helicobacter pylori*. Urease is found in bacteria, yeast, and higher plants. Urease activity is commonly determined in anaerobes of the bovine rumen, human feces and environmental samples such as soils and phytoplanktons. Urease Microplate Assay Kit provides a very sensitive and convenient means to measure urease activity in a variety of samples. In the assay, urease reacts with urea, resulting in the formation of ammonia, which is determined at 620nm, is directly proportional to the urease activity in the sample.

Principle of the Assay: 0.05 mmol/L - 5 mmol/L

NCBI AND UNIPROT INFORMATION

NCBI GI #	15220459
NCBI GeneID	843076

NCBI GenBank Nucleotide #	NP_176922.1
NCBI Official Full Name	urease
NCBI Official Symbol	URE
NCBI Official Synonym Symbols	F12B7.10; F12B7_10; urease
NCBI Protein Information	urease

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/general-assay-kits/urease/263955>