

General Ammonia/Ammonium Assay Kit

Ammonia/Ammonium Microplate Assay Kit

CATALOG # AAA27892	REACTIVITY General	APPLICATIONS Functional Assay
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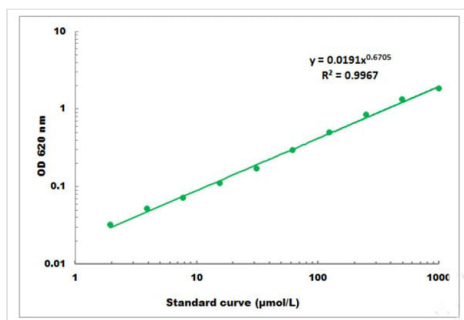
PRODUCT SYNONYMS

Ammonia/Ammonium; Ammonia/Ammonium Microplate Assay Kit; Ammonia/Ammonium assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Samples	Serum, Plasma, Urine, Saliva, Cell culture, Tissue extracts, Cell lysate, Other biological fluids Samples
Detection Range	1 umol/L - 1000 umol/L
Applicable Applications for Ammonia/Ammonium 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 Ammonia/Ammonium assay kit

Background: Ammonia (NH₃) or its ion form ammonium (NH₄⁺) is an important source of nitrogen for living systems. It is synthesized through amino acid metabolism and is toxic when present at high concentrations. In the liver, ammonia is converted to urea through the urea cycle. Elevated levels of ammonia in the blood (hyperammonemia) have been found in liver dysfunction (cirrhosis), while hypoammonemia has been associated with defects in the urea cycle enzymes (e.g. ornithine transcarbamylase). Ammonia/Ammonium Microplate Assay Kit is designed to directly measure NH₃ and NH₄⁺ in a variety of samples. In the assay, ammonia reacts with hypochlorous acid, which is determined at 620nm, is directly proportional to the Ammonia/Ammonium concentration in the sample.

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.