CREATIVE BIOMART®
Assay Kit

Ammonia Fluorometric Assay Kit

Product Information

Cat.No. Kit-0086

Product Overview

Ammonia Assay Kit is a quantitative fluorimetric determination of ammonia at FL360/450 nm.

Description

AMMONIA (NH3) or its ion form ammonium (NH4+) is an important source of nitrogen for living systems and is ubiquitously present in the nature. Simple, direct and automation-ready procedures for measuring NH3 are very desirable. Ammonia Assay Kit is based on an improved o-phthalaldehyde method. This reagent reacts with ammonia/ ammonium and forms a fluorescent product. The fluorescence intensity (λex/em = 360/450nm) is proportional to the ammonia concentration in the sample.

Applications

Ammonia/ammonium determination in biological (e.g. urine) and environmental samples.

Usage

For research use only (RUO)

Storage

Store kit at -20°C. Shelf life of 6 months after receipt.

Kit Components

Assay Buffer 20 mLStandard (NH4Cl) 400 µLReagent A 1 mLReagent B 1 mL

Detection method Fluorimetric

Compatible Sample Types

Environ-mental Sample, Urine

Features & Benefits

Fast and sensitive. Linear detection range of 0.012 - 1 mM ammonia.Convenient and high-throughput. Homogeneous "mix-incubate-measure" type assay. Can be readily automated on HTS

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