

## Ammonia Assay Kit

### Product Information

**Cat**

Kit-2502

**Cat.No.**

Kit-2502

### Product Overview

AMMONIA (NH<sub>3</sub>) or its ion form ammonium (NH<sub>4</sub><sup>+</sup>) is an important source of nitrogen for living systems and is ubiquitously present in the nature. Simple, direct and automation-ready procedures for measuring NH<sub>3</sub> are very desirable. ammonia/ammonium assay is based on an improved o-phthalaldehyde method. This reagent reacts with ammonia/ ammonium and forms a fluorescent product. The fluorescence intensity ( $\lambda_{\text{ex/em}} = 360/450\text{nm}$ ) is proportional to the ammonia concentration in the sample.

**Storage**

-20°C

**Shipping**

RT

**Size**

200 tests

**Detection method** FL360/450nm

**Compatible Sample Types**

Biological (eg urine) and environ-mental samples

**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 liquid handling systems for processing thousands of samples per day.

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**Assay time**

15 min

**Sensitivity**

12  $\mu$ M