

Ammonia Assay Kit

Product Information

Cat

Kit-2502

Cat.No.

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Product Overview

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/ammonium assay is based on an improved o-phthalaldehyde method. This reagent reacts with ammonia/ ammonium and forms a fluorescent product. The fluorescence intensity ($\lambda_{\text{ex}}/\text{em} = 360/450\text{nm}$) 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 environmental 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 μ M

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

Fax: 1-631-938-8127

Email: info@creative-biomart.com

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