

Aspartate Assay Kit

Product Information

Cat

Kit-2473

Cat.No.

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Product Overview

ASPARTATE, a nonessential amino acid, is a precursor to several other amino acids and is an excitatory neurotransmitter. Aspartate is involved in the urea cycle and gluconeogenesis. Aspartate Assay Kit provides a simple, direct and automation-ready procedure for measuring aspartate concentration. Aspartate is converted into pyruvate which is then oxidized with the conversion of the dye into a colored and fluorescent form. The color intensity of the oxidized dye at 570 nm or fluorescence intensity at $\lambda_{ex/em} = 530/585$ nm is directly proportional to the aspartate concentration in the sample.

Storage

4°C

Shipping

On Ice

Size

100 tests

Detection method OD570nm, or FL530/585nm

Compatible Sample Types

Plasma, serum, tissue, culture media etc

Features & Benefits

Sensitive and accurate. Linear detection range: 2 to 400 μ M aspartate for colorimetric assays and 1 to 50 μ M for fluorimetric assays.

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Assay time

60 min

Sensitivity

OD, FL: 2, 1 μ M