



## Aspartate Assay Kit

### Product Information

**Cat**

Kit-2473

**Cat.No.**

Kit-2473

### 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  $\mu$ M aspartate for colorimetric assays and 1 to 50  $\mu$ M for fluorimetric assays.



CREATIVE **BIOMART**<sup>®</sup>  
Assay Kit

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### Assay time

60 min

### Sensitivity

OD, FL: 2, 1  $\mu$ M

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