

## Citrate Assay Kit

### Product Information

#### Cat

Kit-2496

#### Cat.No.

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### Product Overview

CITRATE is an intermediate in the citric acid cycle and is involved in fatty acid synthesis. The Citrate Assay Kit provides a simple, and automation-ready procedure for measuring citrate concentration. Citrate is converted into pyruvate which is then oxidized with the conversion of the dye into a colored and fluorescent form. The color intensity at 570 nm or fluorescence intensity at  $\lambda_{ex/em} = 530/585$  nm is directly proportional to the citrate concentration in the sample.

#### Storage

-20°C

#### Shipping

On Ice

#### Size

100 tests

**Detection method** OD570nm, or FL530/585nm

#### Compatible Sample Types

Serum, plasma, agriculture etc

#### Features & Benefits

Fast and sensitive. Linear detection range: 4 to 400  $\mu$ M citrate for colorimetric assays and 0.5 to 40  $\mu$ M for fluorimetric assays.

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

20 min

### Sensitivity

OD, FL: 4, 0.5  $\mu$ M.

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