



## Citrate Assay Kit

### Product Information

**Cat**

Kit-2496

**Cat.No.**

Kit-2496

### 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  $\lambda_{ex}/\lambda_{em} = 530/585$  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.



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

## Citrate Assay Kit

### Assay time

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20 min

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### Sensitivity

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

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