CREATIVE BIOMART®
Assay Kit

# 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 λex/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 µM citrate for colorimetric assays and 0.5 to 40 µM 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.

**Assay time**

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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| |
|---|
| 20 min |
| **Sensitivity** |
| OD, FL: 4, 0.5 μM. |

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