

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 $\lambda_{ex}/\lambda_{em}$ = 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 μ M citrate for colorimetric assays and 0.5 to 40 μ 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 μ M.
