

Citrate Assay Kit

Cat. No. Kit-2496 **Lot. No.** (See product label)

SPECIFICATION

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.
Assay time	20 min

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SensitivityOD, FL: 4, 0.5 μ M. Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA