



## Coenzyme A Assay Kit II

### Product Information

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#### Cat.No.

Kit-0234

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#### Product Overview

Coenzyme A Assay Kit is a quantitative colorimetric/fluorimetric coenzyme A determination.

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#### Description

Coenzyme A (CoA) is involved in many important biological activities including the synthesis and oxidation of fatty acids, pyruvate oxidation in the citric acid cycle and many others. One of CoA's most crucial roles is the carrying and transferring of acyl groups. Coenzyme A Assay Kit provides a simple, two-step and high-throughput assay for measuring CoA. In this assay, the first step enzymatically converts CoA to acyl-CoA and the second step oxidizes the acyl-CoA producing an enoyl-CoA and H<sub>2</sub>O<sub>2</sub>. The resulting H<sub>2</sub>O<sub>2</sub> reacts with a specific dye to form a pink colored product. The optical density at 570 nm or fluorescence intensity (530/585 nm) is directly proportional to the CoA concentration in the sample.

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#### Applications

Assays: CoA in a variety of biological samples.

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#### Usage

For research use only (RUO)

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#### Storage

Store the kit at at -20°C.

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#### Kit Components

Assay Buffer: 20 mL  
Dye Reagent: 120 µL  
Enzyme A: 120 µL  
Enzyme B: 120 µL  
Substrate: 600 µL  
Standard: 50 µL  
ATP: 120 µL  
Storage conditions. The kit is shipped on ice. Store all components at -20°C. Shelf life of three months after receipt.  
Precautions: reagents are for research use only. Normal precautions for laboratory reagents should be exercised while using the reagents. Please refer to Material Safety Data Sheet for detailed information.

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

## Coenzyme A Assay Kit II

**Detection method** Colorimetric, Fluorometric

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**Compatible Sample Types**

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Plasma, Serum

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**Features & Benefits**

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Sensitive. Use 10  $\mu$ L samples. Linear detection range: colorimetric assay 5 - 1000  $\mu$ M, fluorimetric assay 3 - 100  $\mu$ M CoA. Convenient. Room temperature "mix-and-read" procedure can be readily automated for high-throughput assay of thousands of samples per day.

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Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)

Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA