



## L-Amino Acid Quantitation Kit

### Product Information

#### Cat.No.

Kit-0504

#### Product Overview

L-Amino Acid Quantitation Kit is used for detecting L-amino acid.

#### Description

L-Amino acids are the most essential elements in biology. Accurately quantitating L-amino acids in body fluids or purified samples may provide valuable information for diagnostic or basic research studies. The L-Amino Acid Assay Kit provides a convenient means for directly detecting L-amino acid in biological samples. There is no requirement for sample pretreatment or purification when using this kit. The L-amino acid(s) level can be quantified using fluorometric (at Ex/Em = 535/587 nm) or colorimetric (at  $\lambda = 570$  nm) methods in 96-well plates.

#### Target Species

Mammals

#### Usage

For research use only (RUO)

#### Storage

Store the kit at -20°C.

#### Kit Components

1. L-Amino Acid Assay Buffer: 25 ml. 2. L-Amino Assay Acid Probe\*: 0.2 ml. 3. L-Amino Acid Enzyme Mix: 1 vial. 4. L-Amino Acid Standard (4 nmol/ $\mu$ l)\*\*: 300  $\mu$ l. \* Note: The fluorometric assay is ~10 times more sensitive than the colorimetric assay. Use 0.4  $\mu$ l of the probe per reaction to decrease background/increase detection sensitivity significantly. \*\*Mixture of all amino acids at equal molar ratio. Glycine can't be detected by this kit.

**Detection method** Colorimetric, Fluorometric

#### Compatible Sample Types



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

## L-Amino Acid Quantitation Kit

Biological Fluid, Cell Culture Supernatant, Plasma, Serum, Tissue Culture Supernatant, Urine

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