

L-Amino Acid Quantitation Kit

Cat. No. Kit-0504 **Lot. No.** (See product label)

SPECIFICATION

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 λ = 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/ μ l)**: 300 μ l. * Note: The fluorometric assay is ~10 times more sensitive than the colorimetric assay. Use 0.4 μ 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

 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

Compatible Sample Types	Biological Fluid, Cell Culture Supernatant, Plasma, Serum, Tissue Culture Supernatant, Urine
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