

L-Arginine (L-Arg) Assay Kit | L-Arg assay kit

L-Arginine (L-Arg) Colorimetric Assay Kit

CATALOG #
AAA178643

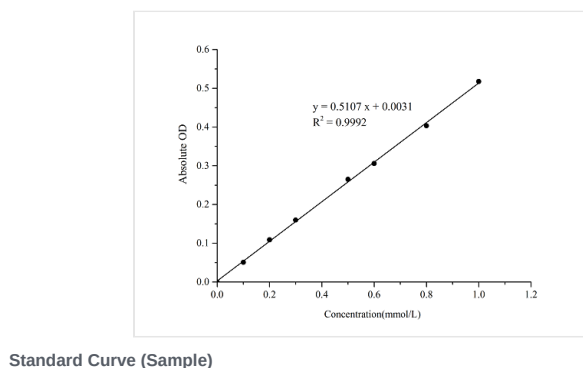
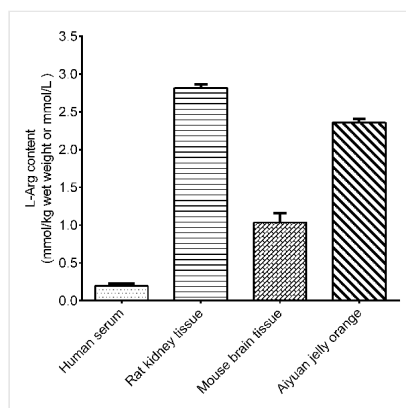
PRODUCT SYNONYMS

L-Arginine (L-Arg); L-Arginine (L-Arg) Colorimetric Assay Kit; L-Arg assay kit

PRODUCT SPECIFICATIONS

Assay Type	Quantitative
Samples	serum, plasma, urine, plant and animal tissue
Detection Range	0.008-1 mmol/L
Sensitivity	0.008 mmol/L
Detection Method	Colorimetric method
Detection Instrument	Microplate reader
Assay Time	2-3 h
Research Area	Amino Acids and Proteins
Test Principle	Arginine (Arg) is an essential amino acid in the human body and can also be absorbed in food. Natural arginine is L-type, which is alkaline and easily reacts with acids to form salts. Arginine is an intermediate metabolite in the ornithine cycle, which can promote the conversion of ammonia into urea, thereby reducing blood ammonia content. Arginine generates urea under the action of enzymes, and urea can complex with oxime reagents under strong acidic conditions by boiling. The complex has a maximum absorption peak at 520 nm, and the arginine content can be calculated by measuring the OD value at 450 nm
Precision	Inter Assay CV: 6-8% Intra Assay CV: 1.8-3.8%
Preparation and Storage	This product can be stored at -20 degree C for 12 months with shading light. Ship: Ice bag

IMAGES



Standard Curve (Sample)

Application Data

ADDITIONAL INFORMATION

Product Categories/Family for L-Arg assay kit	Metabolism Assay; Cell Metabolism Assays; Amino Acids and Proteins
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/l-arginine-l-arg/178643>