

Methionine Assay Kit

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CATALOG #
AAA44688

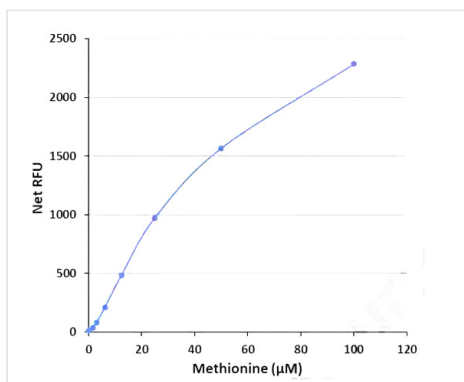
PRODUCT SYNONYMS

Methionine; Methionine Assay Kit; Methionine assay kit

PRODUCT SPECIFICATIONS

Detection Method	Fluorometric
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Upon receipt, store AdoMetS and PPDk at -80°C and all the other components at -20°C or -80°C. The Fluorometric Probe is light sensitive and must be stored accordingly. Avoid multiple freeze/thaw cycles

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Methionine assay kit	Background: Methionine is an essential amino acid in animals and therefore must be obtained through dietary sources. High methionine levels can be detected in eggs, meat, and fish as well as sesame seeds, Brazil nuts, and some other plant seeds. Most fruits and vegetables contain low levels of methionine. In addition to its conventional role in protein structure and function, methionine acts as substrate in the synthesis pathway for other amino acids such as cysteine and taurine as well as the important antioxidant glutathione. Methionine is critical for the metabolism of humans and many other species. Methionine plays an important role in the process of angiogenesis which is the growth of new blood vessels. The consumption of methionine supplements may benefit in cases of copper poisoning. Consuming too much methionine, however, has been linked to cancer growth in a number of studies. The Methionine Assay Kit is a simple fluorometric assay that measures the amount of total methionine present in biological samples in a 96-well microtiter plate format. Each kit provides sufficient reagents to perform up to 100 assays*, including blanks, methionine standards, and unknown samples. Sample methionine concentrations are determined by comparison with a known methionine standard. The kit has a detection sensitivity limit of 1.5 uM methionine. Principle of the Assay: Methionine is an essential amino acid in animals and therefore must be obtained through dietary sources. High methionine levels can be detected in eggs, meat, and fish as well as sesame seeds, Brazil nuts, and some other plant seeds. Most fruits and vegetables contain low levels of methionine. In addition to its conventional role in protein structure and function, methionine acts as substrate in the synthesis pathway for other amino acids such as cysteine and taurine as well as the important antioxidant glutathione. Methionine is critical for the metabolism of humans and many other species. Methionine plays an important role in the process of angiogenesis which is the growth of new blood vessels. The consumption of methionine supplements may benefit in cases of copper poisoning. Consuming too much methionine, however, has been linked to cancer growth in a number of studies. The Methionine Assay Kit is a simple fluorometric assay that measures the amount of total methionine present in biological samples in a 96-well microtiter plate format. Each kit provides sufficient reagents to perform up to 100 assays*, including blanks, methionine standards, and unknown samples. Sample methionine concentrations are determined by comparison with a known methionine standard. The kit has a detection sensitivity limit of 1.5 uM methionine.
Product Categories/Family for Methionine assay kit	Metabolism Research; Amino Acid Metabolism; Methionine Assay Kit

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/methionine/44688>