

Cysteine (Cys) Assay Kit | Cys assay kit

Cysteine (Cys) Colorimetric Assay Kit

CATALOG #
AAA332468

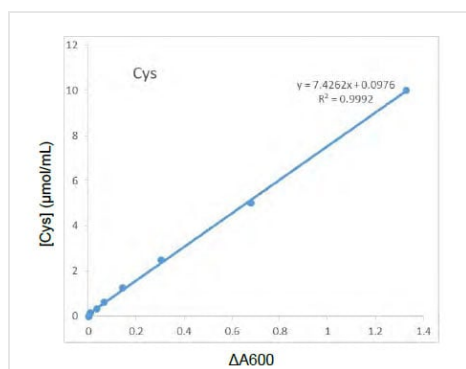
PRODUCT SYNONYMS

Cysteine (Cys); Cysteine (Cys) Colorimetric Assay Kit; (+)-2-Amino-3-mercaptopropionic acid; 2-Amino-3-mercaptopropanoic acid; C; Cys; CySH; Cysteine; L-beta-mercaptoalanine; L-Cysteine; L-CYSTEINE FREE BASE CRYSTALLINE; (S)-(-)-Cysteine; L-Cysteine Base; Cys assay kit

PRODUCT SPECIFICATIONS

Samples	Animal and Plant Tissues, Cells, Bacteria, Plasma, Serum or other Liquid samples
Detection Range	0.156-10 $\mu\text{mol/mL}$
Preparation and Storage	Store at 4 degree C and protected from light upon receipt. Kit has a storage time of est. 12 months from receipt. Shipping: Gel pack with blue ice.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cys assay kit

Principle of the Assay: Protein contains three sulfur-containing amino acids: Methionine, Cystine and Cysteine (Cys). Among them, Cys is the only sulfur-containing amino acid containing a sulfhydryl group, which is converted from methionine and can be mutually converted with cystine. Cys participates in the formation of protein disulfide bonds and is often a component of the active center of proteins. It can also provide sulfhydryl groups for other physiological and biochemical reactions. Cys accumulates in large amounts on the surface of the skin and mucous membranes, maintains the activity of important sulfhydryl enzymes during keratin production, and supplements sulfhydryl groups to maintain the normal metabolism of the skin and regulate the underlying melanin produced by the pigment cells in the lowermost layer of the epidermis. It has the functions of whitening, detoxification, improving inflammation and allergic skin. CheKine™ Micro Cysteine (Cys) Assay Kit provides a simple method for detecting Cys concentration in a variety of biological samples such as animal and plant tissues, cells, bacteria, liquid sample such as plasma and serum. Cys reduces phosphotungstic acid to produce tungsten blue, which has an absorption peak at 600 nm; the Cys content is calculated by the absorbance at 600 nm.

Product Categories/Family for Cys assay kit

Cell Metabolism; Biochemical 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/cysteine-cys/332468>