

Urea Colorimetric Assay Kit

Urea Colorimetric Assay Kit (Diacetyl Oxime Colorimetry)

CATALOG #
AAA174575

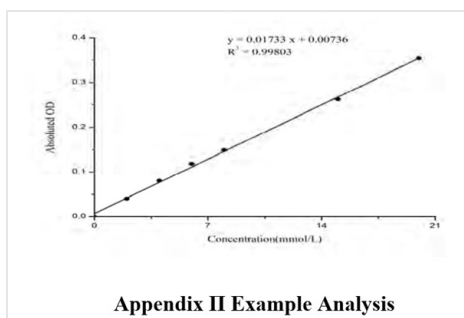
PRODUCT SYNONYMS

Urea Colorimetric; Urea Colorimetric Assay Kit (Diacetyl Oxime Colorimetry); Urea Colorimetric assay kit

PRODUCT SPECIFICATIONS

Specificity	50 Assays(48 samples)/ 100 Assays(96 samples)
Samples	Serum, plasma, urine and other samples
Detection Range	0.12-15 mmol/L
Sensitivity	0.12 mmol/L
Intra-assay Precision	Three human serum samples were assayed in replicates of 20 to determine precision within an assay. (CV = Coefficient of Variation)
Inter-assay Precision	Three human serum samples were assayed 17 times in duplicate by three operators to determine precision between assays.
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Urea Colorimetric assay kit	Principle of the Assay: In strong acidic and heating condition, urea can react with diacetyl to form red diazine compound. The depth of color is proportional to the content of urea. Because the instability of the diacetyl, the diacetyl oxime usually react with the strong acid firstly in the reaction system to generate diacetyl, then react with urea to generate the red diazine compound. The reaction equation is as follows. Intended Uses: This kit can be used to measure the urea content in serum, plasma, urine and other samples.
Product Categories/Family for Urea Colorimetric assay kit	Biochemical 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.

