

Inosine Assay Kit

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CATALOG #

AAA44666

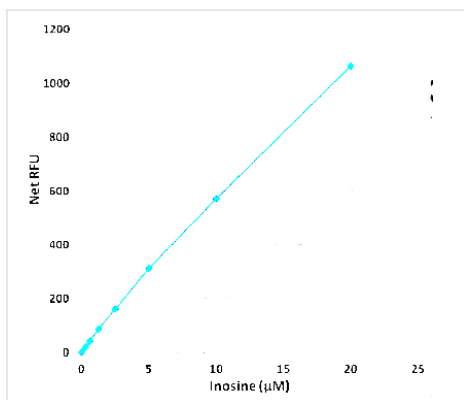
PRODUCT SYNONYMS

Inosine; Inosine Assay Kit; Inosine assay kit

PRODUCT SPECIFICATIONS

Samples	Serum
Assay Type	Sandwich
Preparation and Storage	Store the 10X Assay Buffer at room temperature. Store all other kit components at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Inosine assay kit	Principle of the Assay: The human subclass ELISA kit is a 'sandwich'-type enzyme immunoassay. The kit contains microwell strips coated with highly avid monoclonal antibodies, each specific for one of the human IgG subclasses. Test samples, calibrator-and control sera are incubated in the respective wells. The IgG subclass to be determined will bind to the solid phase and non-bound IgG is removed by washing. Next, peroxidase-conjugated anti-human IgG antiserum is added to each well and non-bound conjugate is removed by washing. After incubation with substrate solution (ABTS) and H2O2, the reaction is stopped with an acid buffer. The green colored reaction product is measured by absorbance and the concentration of IgG subclass in the test sample calculated relative to the values of a reference curve. IgG subclass control serum is assayed to check the validity of the calibration curves and the accuracy of the IgG subclass determinations. The IgG subclass levels in the calibrator(s) were determined using a calibrator derived from the WHO 67/97 reference preparation. The recommended target values of 5.0 giL for IgG1, 2.6 giL for IgG2, 0.4 giL for IgG3 and 0.5 giL for IgG4 were used (7)!!Background/Introduction: Human IgG comprises four subclasses: IgG1, IgG2, IgG3 and IgG4. The biochemical characteristics of the IgG subclasses have been described extensively (1-5). The differences between IgG subclasses are reflected in several biologically important functions such as antigen recognition, complement activation and binding to cell surface receptors. Many studies have revealed that abnormalities in serum levels of IgG subclasses may be associated with various disease states. Especially the association of selective IgG2 subclass deficiency with increased susceptibility to viral or bacterial infections has been amply documented (4, 5). Low serum levels of IgG2 or IgG3 have been reported in patients with recurrent upper and lower respiratory tract infections. Others have found an association between very low IgG4 serum concentrations and recurrent sino-pulmonary infections (6). Abnormalities in the serum levels of IgG subclasses have also been observed in autoimmune diseases, neurological disorders and in HIV infections (4).
Product Categories/Family for Inosine assay kit	Metabolism Research; Nucleic Acid Metabolism

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/inosine/44666>