

Human Metanephrine/Normetanephrine (2-Met) ELISA Kit | 2-Met elisa kit

Metanephrine/Normetanephrine (2-Met)(Plasma) ELISA

CATALOG #
AAA72704

REACTIVITY
Human

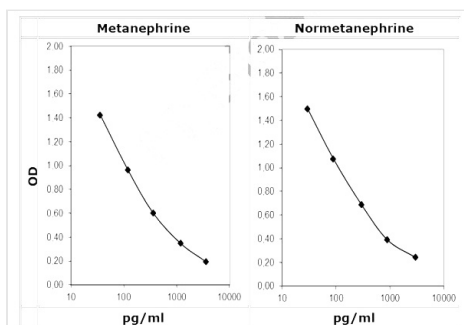
PRODUCT SYNONYMS

Metanephrine/Normetanephrine (2-Met); Metanephrine/Normetanephrine (2-Met)(Plasma) ELISA; Metanephrine/Normetanephrine (2-Met)(Plasma); 2-Met elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Competitive
Samples	Plasma
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 2-Met elisa kit

Background: Metanephrine and Normetanephrine are the metabolites of the catecholamines Epinephrine and Norepinephrine, respectively. Cells derived from neuroendocrine tumors (e.g. pheochromocytoma) are known to produce catecholamines which are secreted episodically via vesicles into the blood stream. But beside this a small portion of the catecholamines is metabolized inside the cells to the corresponding catecholamines metabolites - namely Metanephrine, Normetanephrine and 3-Methoxytyramine - which are secreted at low levels continuously into the blood stream.

Principle of the Assay: Metanephrine (Metadrenaline) and Normetanephrine (Normetadrenaline) are first extracted using an ion exchange matrix followed by an acylation process. The subsequent competitive ELISA uses the microtiter plate format. The antigen is bound to the solid phase of the microtiter plate. The acylated standards, controls and samples compete with the solid phase bound analytes for a fixed number of antibody binding sites. After the system is in equilibrium, free antigen and free antigen-antibody complexes are removed by washing. The antibody bound to the solid phase is detected by an anti-rabbit IgG-peroxidase conjugate using TMB as a substrate. The reaction is monitored at 450 nm. Determination of unknown samples is achieved by comparing their absorbance with a reference curve prepared with known standards.

Intended Uses: Enzyme Immunoassay for the determination of free Metanephrine and free Normetanephrine in plasma. For research use only, not for use in test procedures.

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/human-elisa-kits/metanephrine-normetanephrine-2-met/72704>