

Human Dopamine ELISA Kit

Dopamine (Plasma / Urine) ELISA

CATALOG #
AAA14202

REACTIVITY
Human

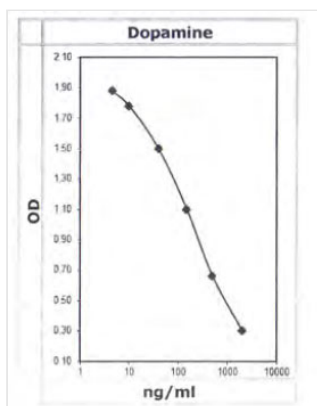
PRODUCT SYNONYMS

Dopamine; Dopamine (Plasma / Urine) ELISA; Dopamine elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Dopamine elisa kit	Background: In humans the catecholamines adrenaline (epinephrine), noradrenaline (norepinephrine) and dopamine are neurotransmitters of the sympathetic nervous system and are involved in many physiological processes. The sympathetic nervous system sets the body to a heightened state of alert, also called as the body's fight-orflight response. In the human body the catecholamines and their metabolites indicate the adaption of the body to acute and chronic stress. Principle of the Assay: Enzyme Immunoassay for the quantitative determination of dopamine in plasma and urine. Dopamine is extracted by using a cis-diol-specific affinity gel, acylated and then converted enzymatically. The competitive ELISA kit uses the microtiter plate format. The antigen is bound to the solid phase of the microtiter plate. The derivatized standards, controls and samples and the solid phase bound analytes compete for a fixed number of antibody binding sites. After the system is in equilibrium, free antigen and free antigenantibody complexes are removed by washing. The antibody bound to the solid phase is detected by an antirabbit IgG-peroxidase conjugate using TMB as a substrate. The reaction is monitored at 450 nm. Quantification of unknown samples is achieved by comparing their absorbance with a standard curve prepared with known standard concentrations. This product is not intended to clinical diagnoses. Intended Uses: Enzyme Immunoassay for the quantitative determination of dopamine in plasma and urine. Dopamine is extracted by using a cis-diol-specific affinity gel, acylated and then converted enzymatically. The competitive ELISA kit uses the microtiter plate format. The antigen is bound to the solid phase of the microtiter plate. The derivatized standards, controls and samples and the solid phase bound analytes compete for a fixed number of antibody binding sites. After the system is in equilibrium, free antigen and free antigenantibody complexes are removed by washing. The antibody bound to the solid phase is detected by an antirabbit IgG-peroxidase conjugate using TMB as a substrate. The reaction is monitored at 450 nm. Quantification of unknown samples is achieved by comparing their absorbance with a standard curve prepared with known standard concentrations. This product is not intended to clinical diagnoses.
Product Categories/Family for Dopamine elisa kit	Brain Disorders & Neuroscience; Biogenic Amines & Neurology; Assay Categories

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.