

Cortisol Assay Kit

Cortisol EIA Kit

CATALOG #
AAA71801

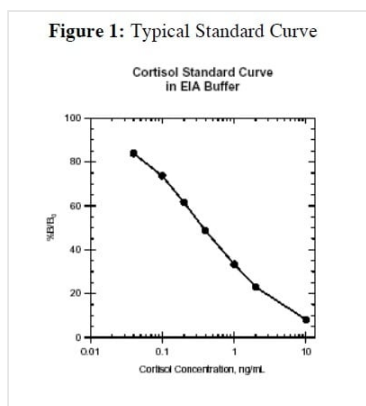
PRODUCT SYNONYMS

Cortisol; Cortisol EIA Kit; Cortisol assay kit

PRODUCT SPECIFICATIONS

Assay Type	Competitive
Preparation and Storage	1. Store the components of this kit at the temperatures specified on the labels. 2. Unopened reagents are stable until the indicated kit expiration date. 3. Desiccant bag must remain in foil pouch with unused strips. Keep pouch sealed when not in use to maintain a dry environment. Remove excess air before sealing.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cortisol assay kit

Principle of the Assay: This kit is a competitive enzyme-linked immunoassay (ELISA) for determining levels of Cortisol in biological samples such as urine, saliva, and plasma. Briefly, cortisol in the samples or standards competes with cortisol conjugated to horseradish peroxidase (HRP) for binding to a polyclonal antibody specific for cortisol coated on the microplate. The HRP activity results in brilliant blue color development when the substrate is added, with the intensity of the color proportional to the amount of cortisol-HRP bound and inversely proportional to the amount of unconjugated cortisol in the samples or standards.

Background: is produced throughout the day; with very high levels in the early morning it quickly decreases to a low level in the early afternoon. After that, it continues to slowly decrease into the night quickly spiking before morning. Cortisol levels may also spike immediately after waking up, during periods of low blood glucose levels, and in response to stress. Cortisol is also known as Hydrocortisone when it is used medicinally, usually as a supplement or for its anti-inflammatory properties. Knowing plasma Cortisol levels is useful in identifying a serious lack of cortisol usually found in Addison's disease, or a serious overproduction of cortisol as in Cushing's syndrome. Cortisol is also frequently used to evaluate the stress levels of a subject.

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.

