

Patient Name : Demo Patient Name
Age / Sex : 37 Y / F
Referred By : DEMO HOSPITAL
Centre : HOD Head Office

Lab No : Demo Visit No
Registration On : 21-Jan-25 11:01
Patient ID : UHID.DEMO.001

Cortisol (Morning)				Serum Sample
Accession No: DEMO_BARCODE		Collected On: 21-Jan-25 11:04	Received On: 21-Jan-25 18:50	Approved On: 21-Jan-25 20:54
Observation	Result	Unit	Biological Ref. Interval	Method
Cortisol [Morning]	11.6	µg/dL	4.46 - 22.7	CLIA

Biological Reference Range for Cortisol:
Before 10:00 AM: 4.46 - 22.7 µg/dL
After 5:00 PM : 1.7 - 14.1 µg/dL
- Note: Plasma cortisol levels are highest in the morning, and concentrations decrease towards evening.

Technology: VITROS MicroWell, MicroSensor and Intellicheck Technology
Analyzer: Fully Automated Integrated Biochemistry and Immunoassay Analyzer: VITROS 5600

Clinical Significance of Cortisol:
- Cortisol is the major glucocorticoid hormone secreted by the adrenal cortex. Its physiological functions include regulation of carbohydrate metabolism and electrolyte and water distribution. Cortisol also has immunosuppressive and anti-inflammatory activity.
- Increased level seen in pregnancy, estrogen treatment, severe stress, pituitary tumors or ectopic ACTH- producing tumors, Cushing's disease and in other conditions of glucocorticoid excess.
- Decreased level seen in Addison's disease, generalized adrenal hypofunction or a defect in the metabolic pathway for cortisol biosynthesis.

Remarks: Please correlate results with clinical conditions.



This is a Demo Signature
and the doctor's signature should appear here

In case of any unexpected or alarming results, please contact us immediately for re-confirmation, clarifications, and rectifications, if needed.

