

Acceptable Tube Types



Cortisol

Alternate Name:	Cortisol Baseline, Cortisol Stimulation Test, Cortisol AM/PM
Performing Lab:	New Hanover Core Lab
Specimen Container:	Yellow serum separator tube or Red top tube
Minimum Volume Required:	1.0 mL
Testing Availability	Routine: 24 hours/day Stat: Yes
Turnaround Time:	Routine: 4 hours Stat: < 1 hour
Special Handling:	None
Patient Preparation:	None, only if ACTH stimulation test being performed, follow protocols.
Specimen Stability:	8 Hours at Room Temp or 2 Days at 2-8° C
Reference Range:	AM (0700-0900) 4.30-22.40 ug/dL PM (1500-1700) 3.09-16.66 ug/dL
Critical Value:	None
CPT Code:	82533
EPIC Test Code:	Baseline/Random: LAB61 30 Minute: LAB304104 60 Minute: LAB304105 AM: LAB210136 PM: LAB210137
Testing Methodology:	Immunoassay
Causes for Specimen Rejection:	Improper labeling; incorrect tube type submitted.
Other Comments:	
Clinical Significance:	<p>Cortisol, the main glucocorticoid plays a central role in glucose metabolism and in the body's response to stress.</p> <p>Cortisol levels are regulated by adrenocorticotrophic hormone (ACTH), which is synthesized by the pituitary in response to corticotropin-releasing hormone (CRH). CRH is released in a cyclic fashion by the hypothalamus, resulting in diurnal peaks.</p> <p>Useful for the differential diagnosis of hyper</p>

and hypocortisolism, such as Addison disease and Cushing syndrome.