

ADRENO-  
CORTICOTROPIC  
HORMONE,  
PLASMA

## Orderable - ACTH

Turn Around Time: 5 days

### Specimen:

Adult	Pediatric
4 mL Lavender top (EDTA) Vacutainer tube	0-2 years: 0.5 mL Lavender top (EDTA) Microtainer 2-10 years: 2 mL Lavender top (EDTA) Vacutainer tube
Red, Gold, or Light Green (Li-heparin) top tubes are <b>NOT</b> acceptable.	



**Laboratory:**  
Core Lab



**Requisition:**  
GENERAL LABORATORY  
REQUISITION



**Method of Analysis:**  
Roche Electrochem-  
luminescence



**Test Schedule:**  
Tuesday afternoons

### Collection Information:

Pre-chill Vacutainer, place on ice immediately after blood collection, and deliver to lab immediately.

Minimum volume of plasma required is 700 µL for adult samples or 200 µL for pediatric samples.

### Reference Ranges:

7 - 10 am: 1.6 - 13.9 pmol/L


### Interpretive Comments:

ACTH levels undergo diurnal variation. Values are normally higher in the morning and lower in the evening.

### Special Processing:

Use a refrigerated centrifuge to separate plasma. Analyze samples immediately or freeze them at -20 °C.

### Comments:



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Biotin may interfere with this test. Samples should not be taken from patients receiving high biotin doses (i.e. > 5 mg/day) until at least 8 hours after the last biotin administration.

**Storage and Shipment:**

Store and ship plasma frozen.