
Lab Dept: Chemistry

Test Name: ALDOSTERONE

General Information

Lab Order Codes: BALD

Synonyms: Aldosterone, Blood

CPT Codes: 82088 - Aldosterone

Test Includes: Aldosterone level reported in ng/dL.

Logistics

Test Indications: The principal use for aldosterone measurements is in the diagnosis of primary hyperaldosteronism, which is most commonly caused by a specific type of adrenal adenoma.

Lab Testing Sections: Chemistry - Sendouts

Referred to: Esoterix Inc. (Test# 500014)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 2 - 5 days, testing performed Monday, Tuesday and Thursday

Special Instructions: A random measurement of aldosterone is of no diagnostic utility unless plasma renin activity is determined simultaneously.

Specimen

Specimen Type: Blood

Container: SST (Gold, marble or red) tube
Alternate: Lavender EDTA or Green Heparin

Draw Volume: 3 mL (Minimum: 1.5 mL, does not allow for repeat analysis) blood

Processed Volume: 1 mL (Minimum: 0.5 mL) serum

Collection: Routine venipuncture

Special Processing: Lab Staff: Centrifuge specimen within 1 hour of collection, remove serum aliquot. Store and ship frozen in plastic vial. Forward promptly.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimens

Interpretive

Reference Range

Premature Infants:	
26 - 28 weeks, day 4:	5 - 635 ng/dL
31 - 35 weeks, day 4:	19 - 141 ng/dL
Full-Term Infants:	
3 days:	7 - 184 ng/dL
1 week:	5 - 175 ng/dL
1 - 11 months:	5 - 90 ng/dL
Children:	
12 - 23 months:	7 - 54 ng/dL
24 months - 9 years:	5 - 80 ng/dL
10 - 14 years:	4 - 48 ng/dL
Adults:	
Adults:	<31 ng/dL

Critical Values: N/A

Limitations: N/A

Methodology: HPLC, Tandem Mass Spectrometry

Contraindications: Hypokalemia caused by thiazide diuretics can resemble primary aldosteronism.

References: Esoterix Laboratory Services www.esoterix.com November 2017

Updates:

12/14/2010: Reference range update. Suppine references removed.
Method change, previously listed as RIA.
11/13/2017: Collection container update.