



# Laboratory Service Manual

**Lab Dept:** Chemistry

**Test Name:** ALDOSTERONE

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## ***General Information***

**Lab Order Codes:** BALD

**Synonyms:** Aldosterone, Blood

**CPT Codes:** 82088 - Aldosterone

**Test Includes:** Aldosterone level reported in ng/dL.

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## ***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:**

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 3 - 6 days, test is performed Monday, Tuesday and Thursday

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

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## ***Specimen***

**Specimen Type:** Blood

**Container:** Red top (plain, no gel) tube

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

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

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**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

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



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**References:**

Esoterix Laboratory Services [www.esoterix.com](http://www.esoterix.com) December 2010

**Updates:**

12/14/2010: Reference range update. Suppine references removed.  
Method change, previously listed as RIA.