

TEST CHANGE

Aldosterone, Serum

0070015, ALDOST

Specimen Requirements:

Patient Preparation: ~~Blood should be obtained in seated position in the morning without venous stasis (release tourniquet). Collect midmorning after venipuncture and wait patient has been sitting, standing or walking for at least 2 hours and seated for 5 seconds before withdrawing blood).~~ ~~-15 minutes.~~ Refer to the Additional Technical Information for specific patient preparation recommendations.

Collect: Serum ~~separator tube~~ Separator Tube (SST) or ~~plain red~~ Plain Red.

Specimen Preparation: Separate from cells ASAP or within 2 hours of collection. Transfer 1 mL serum to an ARUP ~~standard transport tube~~ Standard Transport Tube. (Min: 0.5 mL)

Transport Temperature: Frozen.

Unacceptable Conditions: EDTA plasma.

Remarks:

Stability: After separation from cells: Ambient: 8 hours; Refrigerated: 5 days; Frozen: 1 month

Methodology: Quantitative Chemiluminescent Immunoassay (CLIA)

Note: Refer to the Additional Technical Information for Endocrine Society recommendations for patient preparation, specimen collection, medications for hypertension control during confirmatory testing for primary aldosteronism, and factors that may lead to false-positive or false-negative aldosterone-renin ratio (ARR) results.

CPT Codes: 82088

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

Normal serum levels of aldosterone are dependent on the sodium intake and whether the patient is upright or supine. High sodium intake will tend to suppress serum aldosterone, whereas low sodium intake will elevate serum aldosterone. The reference intervals for serum aldosterone are based on normal sodium intake.

Age	Posture Unspecified	Supine	Upright
0-6 days	5.0-102.0 ng/dL		
1-3 weeks	6.0-179.0 ng/dL		
1-11 months	7.0-99.0 ng/dL		
1-2 years	7.0-93.0 ng/dL		
3-10 years	4.0-44.0 ng/dL		
11-14 years	4.0-31.0 ng/dL		
15 years and older	Less than or equal to 31.0 ng/dL	Less than or equal to 16.0 ng/dL	4.0-31.0 ng/dL

Reference Interval:

~~Effective May 16, 2011~~

Test Number	Components	Reference Interval			
	Aldosterone				
		Age	Posture Unspecified (ng/dL)	Supine (ng/dL)	Upright (ng/dL)
		0-6 days	5.0-102.0		
		1-3 weeks	6.0-179.0		
		1-11 months	7.0-99.0		
		1-2 years	7.0-93.0		
		3-10 years	4.0-44.0		
		11-14 years	4.0-31.0		
		15 years and older	31.0 or less	16.0 or less	4.0-31.0