

HOTLINE: Effective July 5, 2022

2002582

Aldosterone and Renin, Direct with Ratio

A/DR

Methodology: Quantitative Chemiluminescent Immunoassay
Performed: Mon, Wed, Fri
Reported: 1-5 days

Specimen Required: Patient Prep: Collect midmorning (i.e., 7am–10am) after patient has been sitting, standing, or walking for at least 30 minutes and seated for 5-15 minutes. If the patient is supine, ensure that the patient is in this position for at least 30 minutes prior to collection. Fasting specimens are recommended but not required.
Collect: Serum separator tube (SST) AND lavender (EDTA) from a supine or upright patient. Do not collect in refrigerated tubes nor store tubes on ice. Process blood at room temperature and centrifuge tubes in a nonrefrigerated centrifuge.
Specimen Preparation: Separate from cells ASAP or within 2 hours of collection.
Serum: Transfer 1 mL serum to an ARUP Standard Transport Tube (Min: 0.5mL)
AND
Plasma: Transfer 2 mL EDTA plasma to an ARUP Standard Transport Tube and freeze immediately. (Min: 1 mL)
Storage/Transport Temperature: Both specimens should be collected and submitted together for testing.
Serum: Frozen. Also acceptable: Refrigerated.
Plasma: Frozen.
Unacceptable Conditions: Refrigerated plasma or plasma collected in citrate, heparin, or oxalate. Grossly hemolyzed specimens.
Stability (collection to initiation of testing): Serum: Ambient: 8 hours; Refrigerated: 5 days; Frozen: 1 month
Plasma: Ambient: 8 hours; Refrigerated: Unacceptable; Frozen: 1 month

Reference Interval:

Available Separately	Components	Reference Interval			
0070015	Aldosterone, Serum	Effective May 16, 2011			
		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
2001575	Renin, Direct	Effective July 5, 2022			
		Upright ≤40 yr: 4.2-52.2 pg/mL			
		Upright >40 yr: 3.6-81.6 pg/mL			
		Supine ≤40 yr: 3.2-33.2 pg/mL			
	Aldosterone/Direct Renin Calculation	0.1-3.7			
		An aldosterone/direct renin ratio of greater than 3.7 is suggestive of hyperaldosteronism.			