

Patient Name	:		Bill Date	:	
DOB/Age/Gender	:		Sample Collected	:	
Patient ID / UHID	:		Sample Received	:	
Referred By	:		Report Date	:	
Sample Type	:		Report Status	:	
Barcode No	:				

Test Description	Value(s)	Unit(s)	Reference Range
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**BIOCHEMISTRY REPORT**  
**Aldosterone / Plasma Renin Ratio**  
**Plasma Renin Activity**

Plasma Renin Activity Method : (Plasma,CLIA)	0.14	ng/ml/hr	Lying Position: 0.15-2.33 Standing Position: 0.10-6.56
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**Interpretation:**

1. PRA measure the activity of the plasma enzyme renin, which plays a major role in the body's regulation of blood pressure, thirst, and urine output.
2. Increase levels are seen in Addison's disease, Cirrhosis of the liver, Essential hypertension, Hemorrhage, Hypokalemia, Malignant hypertension, Renin producing renal tumors, Renovascular hypertension.
3. Decrease levels are seen in vasopressin (ADH) therapy, Salt-retaining steroid therapy, Salt-sensitive essential hypertension, Primary hyperaldosteronism.

**Limitations:**

1. Drugs that can affect renin measurements are contraceptive pills, anti hypertensives, diuretics, vasodilators.
2. Sodium content of diet.
3. Please correlate results with physiological variables such as time of collection, patients posture, and either sodium intake or 24 hr urine sodium excretion.

Clinical Condition	Plasma renin activity	Aldosterone
Primary hyperaldosteronism	Decreased	Increased
Malignant hypertension, Renovascular hypertension	Increased	Increased
Cushing syndrome, licorice ingestion, Exogenous mineral corticoids, Liddle's syndrome, congenital adrenal hyperplasia	Decreased	Decreased
Adrenal insufficiency (Addison's disease), Late onset congenital adrenal hyperplasia, high sodium diet	Increased	Decreased



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 Processing Lab :- Redcliffe Lifetech Pvt. Ltd., H-55, Sector-63, Noida, Uttar Pradesh - 201301

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