

PLASMA RENIN-DIRECT

Profile Details | 1 Parameters

Fasting: Overnight fasting for 9-12 hours | Report Time: Within 4 Days



Specimen Required: Blood

Price- ₹12000 **₹5990**

Parameters Included

About This Test

A **plasma renin direct** test measures the level of renin in the blood. Renin is an enzyme produced by the kidneys that plays a crucial role in regulating blood pressure and fluid balance. Here's what the test assesses:

- Renin Levels:** Evaluates the concentration of renin in the plasma, which reflects the activity of the renin-angiotensin-aldosterone system (RAAS). This system is essential for regulating blood pressure, blood volume, and electrolyte balance.
- Blood Pressure Regulation:** Helps assess the function of the RAAS, which influences blood pressure through mechanisms involving angiotensin and aldosterone.
- Diagnosis of Hypertension:** Aids in diagnosing the cause of high blood pressure, especially in cases of secondary hypertension, where elevated renin levels might indicate conditions like renal artery stenosis or primary hyperaldosteronism.
- Evaluation of Kidney Function:** Assists in evaluating kidney function and blood flow, as kidneys are involved in renin production.
- Assessment of Aldosteronism:** Used in conjunction with other tests to evaluate conditions such as primary aldosteronism (Conn's syndrome), where excessive aldosterone production is linked to low renin levels.

In summary, the plasma renin direct test measures the amount of renin in the blood to assess the function of the RAAS, diagnose hypertension, evaluate kidney function, and investigate conditions related to aldosterone regulation.



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**Fasting 10-12 hrs essential | *Limited Period Offer | *Reports within Within 4 Days*

For appointments and queries: **82733 39996** | www.thexpertlab.com