

RENIN, PLASMA

Orderable - RENIN/RENSUP/RENSTD

Turnaround Time: 5 days

Alternate Name(s):

Direct Renin
Renin Mass

Specimen:

Adult	Pediatric
4 mL Lavender top (EDTA) Vacutainer tube	0-2 years: 2 x 0.5 mL Lavender top (EDTA) Microtainers 2-10 years: 3 mL Lavender top (EDTA) Vacutainer tube
Red, Gold or Light Green (Li-Heparin) top tubes are not acceptable	

Collection Information:

Minimum volume of plasma required is 500 µL.

Patient should be on a normal salt diet for at least 3 days prior to test.

Supine: Patient should be lying supine for at least 30 minutes prior to blood collection.

Standing: Blood should be collected midmorning (ideally), after the patient has been up (sitting, standing, or walking) for at least 2 hours and then seated for 5-15 minutes.

If test has been ordered without a requested posture, collect a standing sample.

Reference Ranges:

Standing (Upright):

5 – <19 years: 5.5 – 52.1 ng/L

19 – 60 years: 2.6 – 27.7 ng/L

Supine:

20 – 60 years: 1.7 – 23.9 ng/L



Laboratory:
Endocrinology Lab




Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Diasorin
Chemiluminescence



Test Schedule:
Monday - Friday
0800-1600



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Interpretive Comments:

Renin levels are very high at birth and gradually decline to adult levels.

Special Processing:

Sample should be spun in a centrifuge at room temperature. If possible, separate plasma into 2 aliquots of at least 500 μ L each and then freeze.

Storage and Shipment:

Store and ship plasma frozen.