

# 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
<b>Red, Gold, Light Green (Li-Heparin), or Lavender (EDTA) top tubes are not acceptable</b>	

### 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:

**Age 20 – 60 years:**

supine: 1.7 – 23.9 ng/L

standing: 2.6 – 27.7 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:

Plasma renin levels are very high at birth and gradually decline to adult levels after 1 year of age.

## Special Processing:

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

## Storage and Shipment:

Store and ship plasma frozen.