Reporting Title: Renin Activity, P
Performing Location: Rochester

Specimen Requirements:

Collection Container/Tube: Chilled, lavender top (EDTA)
Submission Container/Tube: Plastic vial
Specimen Volume: 2 mL
Collection Instructions:
1. Draw blood in a chilled syringe from a patient in a seated position; place specimen in a chilled, lavender top (EDTA) tube; and mix.
2. Alternatively, draw blood directly in a chilled, lavender top (EDTA) tube.
3. Immediately place EDTA tube into an ice-water bath until thoroughly cooled.
4. Refrigerate specimen during centrifugation and immediately transfer plasma to plastic vial. (If a refrigerated centrifuge is unavailable, chill the centrifuge carriers. Centrifuge specimen for < or =5 minutes, then promptly transfer plasma.)
Additional Information: See Renin-Aldosterone Studies in Special Instructions for further information.
Forms: If not ordering electronically, submit a General Request Form (Supply T239) with the specimen.

Specimen Type	Temperature	Time
Plasma EDTA	Frozen	14 days

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
8060	Renin Activity, P	Numeric	ng/mL/h	2915-7

CPT Code: 1 × 84244

Reference Values:

0-2 years: 4.6 ng/mL/hour (mean)*
3-5 years: 2.5 ng/mL/hour (mean)*
6-8 years: 1.4 ng/mL/hour (mean)*
9-11 years: 1.9 ng/mL/hour (mean)*
12-17 years: 1.8 ng/mL/hour (mean)*
Mean data not standardized as to time of day or diet. Infants were supine, children sitting.

Na-depleted, upright (peripheral vein specimen)
18-39 years: 10.8 ng/mL/hour (mean)
2.9-24.0 ng/mL/hour (range)
> or =40 years: 5.9 ng/mL/hour (mean)
2.9-10.8 ng/mL/hour (range)

Na-replete, upright (peripheral vein specimen)

18-39 years: 1.9 ng/mL/hour (mean)
< or =0.6-4.3 ng/mL/hour (range)
> or =40 years: 1.0 ng/mL/hour (mean)
< or =0.6-3.0 ng/mL/hour (range)

*Stalker HP, Holland NH, Kotchen JM, Kotchen TA: Plasma renin activity in healthy children. J Pediatr 1976;89:256-258