

Angiotensin II, Plasma

Test ID: FANG

Explanation:

Test ID, FANG, referred to Inter Science Institute will become obsolete on August 14, 2020 due to the availability of in-house test ID ANGII.

Recommended Alternative Test:

Angiotensin II and Angiotensin (1-7), Plasma

Test ID: ANGII

Methodology:

Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)

Reference Values:

Angiotensin II: <5-40 pg/mL

Angiotensin (1-7): <10-55 pg/mL

Specimen Requirements:

Patient Preparation:

Results used for primary aldosteronism may not be interpretable if the patient is being treated with spironolactone (Aldactone). Spironolactone should be discontinued for 4 to 6 weeks before testing. See Cautions for more information.

Specimen Requirements:

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 into 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, then promptly transfer plasma.
5. Immediately freeze plasma.

Minimum Volume: 1.25 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Plasma EDTA	Frozen	28 days

Cautions:

Angiotensin-converting enzyme (ACE) inhibitors and angiotensin-receptor blockers (ARB) have the potential to impact angiotensin II levels in plasma. Patient should be on a normal sodium diet. It may be beneficial to have patient seated in a recumbent posture if possible for at least 30 minutes prior to collecting specimen. Steroids, estrogens, oral contraceptives, ACT medications, and diuretics will all affect angiotensin II levels as will posture along with sodium, potassium, and multivitamins. Results used for primary aldosteronism may not be interpretable if the patient is being treated with spironolactone (Aldactone). Spironolactone should be discontinued for 4 to 6 weeks before testing.

CPT Code:

82163

Day(s) Setup: Varies

Analytic Time: 2 days

Questions:

Contact MCL Referrals Supervisor Amy Bluhm at 800-533-1710.