

Angiotensin II

Test ID: 36718

CPT: 82163

Clinical Significance:

Angiotensin II is a eight amino acid peptide formed by Angiotensin Converting Enzyme (ACE) cleavage of Angiotensin I. Angiotensin II is metabolized further to Angiotensin III. Angiotensin II release is controlled by Renin, blood pressure, blood volume, sodium balance and by Aldosterone concentration. Levels of Angiotensin II are increased in many types of hypertension. Angiotensin II stimulates the release of Anti-Diuretic Hormone, ACTH, Prolactin, Luteinizing Hormone, Oxytocin and Aldosterone. Angiotensin II increases vasoconstriction and inhibits tubular resorption of sodium, and can increase endothelial cell growth.

Profile Components:



Labtech Diagnostics

Container:

EDTA (lavender-top) tube

Transport Temperature:

Frozen

Specimen:

1 mL plasma

Specimen Stability:

Room temperature: Unacceptable
Refrigerated: Unacceptable
Frozen: 1 Month

Reject Criteria:

Gross hemolysis • Received room temperature • Received refrigerated

Days Performed:

Tues, Fri

Collection Instructions:

3 mL EDTA (lavender top) plasma. Centrifuge sample and separate plasma from cells immediately. Transfer plasma to a plastic transport tube. Clearly label tube as EDTA plasma. Freeze. Critical Frozen (CFZ). Patient should be on a normal sodium diet (110 meq sodium). Patient should be recumbent for at least 30 minutes prior to collection. When multiple tests are ordered, submit a separate tube for this test.