**Angiotensin Converting Enzyme (ACE)**

Angiotensin converting enzyme (ACE) modulates peripheral vascular resistance as well as renal and cardiovascular function. It is responsible for conversion of Angiotensin I to Angiotensin II as well as inactivation of bradykinin. Majority of ACE is tissue bound (> 90%) found predominantly in lungs & testes.

**Factors affecting ACE levels:**
- Smoking - ACE activity is 30% lower in smokers
- Thyroid hormone- Stimulates ACE synthesis
- Postmenopausal estrogen replacement - ACE activity is 20% lower

**Increased levels**
- Sarcoidosis - ACE levels are used in the diagnosis and monitoring of this disease and are directly related to the number of organs affected and activity of granulomas. Mature granulomas produce less ACE than developing ones. ACE is more likely to be elevated with pulmonary involvement than with purely hilar adenopathy.
- Pulmonary causes like Emphysema, Asthma, Small cell carcinoma & Squamous cell carcinoma
- Renal diseases - patients on hemodialysis show high ACE levels as compared to patients who are not on dialysis.
- Other causes - Multiple sclerosis, Addisons disease, Hyperthyroidism, Diabetes, Alcoholic hepatitis & Peptic ulcer

**Decreased levels**
- Chronic liver disease
- Anorexia nervosa
- Hypothyroidism
<table>
<thead>
<tr>
<th>Test Name</th>
<th>Results</th>
<th>Units</th>
<th>Bio. Ref. Interval</th>
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</table>

**IMPORTANT INSTRUCTIONS**

*Test results released pertain to the specimen submitted.*

*All test results are dependent on the quality of the sample received by the Laboratory.*

*Laboratory investigations are only a tool to facilitate in arriving at a diagnosis and should be clinically correlated by the Referring Physician.*

*Sample repeats are accepted on request of Referring Physician within 7 days post reporting.*

*Report delivery may be delayed due to unforeseen circumstances. Inconvenience is regretted.*

*Certain tests may require further testing at additional cost for derivation of exact value. Kindly submit request within 72 hours post reporting.*

*Test results may show interlaboratory variations.*

*The Courts/Forum at Delhi shall have exclusive jurisdiction in all disputes/claims concerning the test(s) & or results of test(s).*

*Test results are not valid for medico legal purposes.*

*Contact customer care Tel No. +91-11-39885050 for all queries related to test results.*