

Patient Name	: Mr Dummy	Bill Date	: Feb 07, 2024, 11:09 AM
DOB/Age/Gender	: 62 Y/Male	Sample Collected	: Feb 07, 2024, 11:46 AM
Patient ID / UHID	: XXX	Sample Received	: Feb 07, 2024, 03:41 PM
Referred By	: Dr.	Report Date	: Feb 07, 2024, 04:49 PM
Sample Type	: Serum	Report Status	: Final Report
Barcode No	: XXX		

Test Description	Value(s)	Unit(s)	Reference Range
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**BIOCHEMISTRY REPORT**

**Angiotensin Converting Enzyme (ACE), Serum**

ACE (Angiotensin Converting Enzyme)	18.71	U/L	8 - 52
Method : UV Kinetic			

**Interpretation:**

**Comments**

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
- Patients taking ACE inhibitors, such as captopril and enalapril, will have extremely low or unmeasurable ACE activity.

**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 - Gaucher's disease, Multiple sclerosis, Addisons disease, Hyperthyroidism, Diabetes, Alcoholic hepatitis & Peptic ulcer

**Decreased levels**

- Chronic liver disease
- Anorexia nervosa
- Hypothyroidism

Dummy Report

Disclaimer: This is a sample report. The method and reference range in the actual report might vary as per lab accreditation or certification and equipments where sample is processed.

*Sohini Sengupta*

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Booking Centre :- HOME COLLECTION - NOIDA - F10166  
 Processing Lab :- Redcliffe Lifetech Pvt. Ltd., H-55, Sector-63, Noida, Uttar Pradesh - 201301

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All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

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Dummy Report