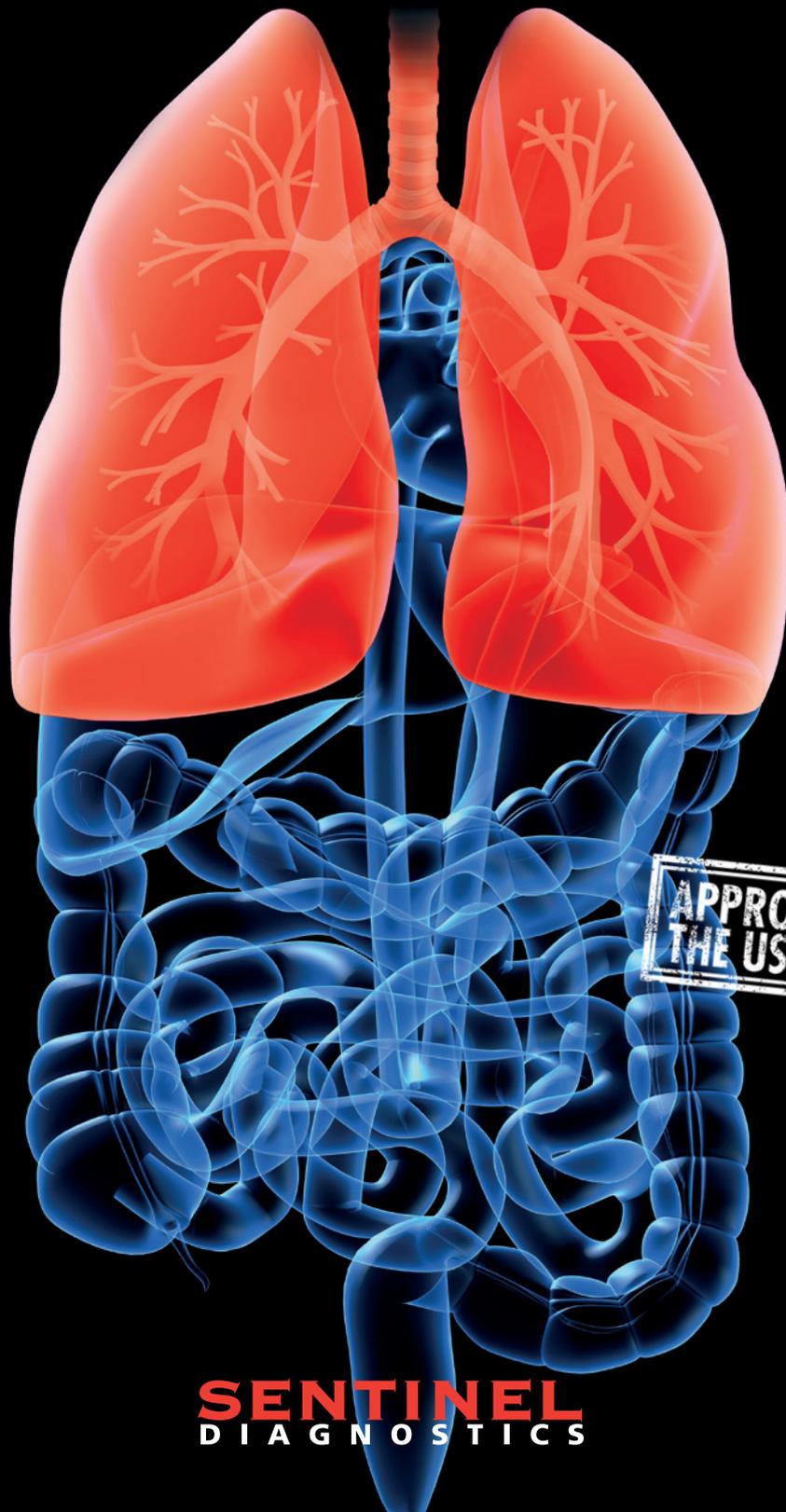


LAB

ACE Liquid

An easy procedure to measure
Angiotensin Converting Enzyme



APPROVED FOR
THE US MARKET

SENTINEL
DIAGNOSTICS

ACE Liquid

Mono-reagent method for the determination of Angiotensin Converting Enzyme (ACE) in human serum and plasma.

Features and Advantages

- Mono Reagent liquid and ready to use
- 18 months stability from date of manufacture
- Linearity up to 120 U/L
- Sensitivity: 5.8 U/L
- 30 days on-board reagent stability
- 30 days on-board calibration stability
- Excellent correlation with other similar methods available on the market
- High lot-to-lot consistency
- Reagents filled in Universal Vials* suitable for AU series, ADVIA series, Roche Modular, Hitachi 917, DIRUI series, Mindray BS-800
- Available for the US market
- Registered under FDA 510 (k) approval number K141728**

Precision ⁽¹⁾		
Mean (U/L)	Total (CV %)	Repeatability (CV %)
40.4	2.9	2.6
64.6	2.7	1.0
112.1	1.7	0.6

1) Precision studies conducted on an automated analyzer according to NCCLS EP-7 protocol.

Summary

ACE is a zinc dependent peptidase which has a major role in the metabolism of vasoactive peptides and hence in the regulation of blood pressure, converting the relatively inactive decapeptide Angiotensin I to the potent vasoconstrictor Angiotensin II.

Serum ACE is often elevated in patients with untreated active sarcoidosis, an inflammatory disease of unknown origin characterized by the formation of small clumps affecting eyes, lungs, lymph nodes and skin. The measurement of ACE levels can be useful in assisting to diagnose sarcoidosis and to monitor the effectiveness of steroid therapy.

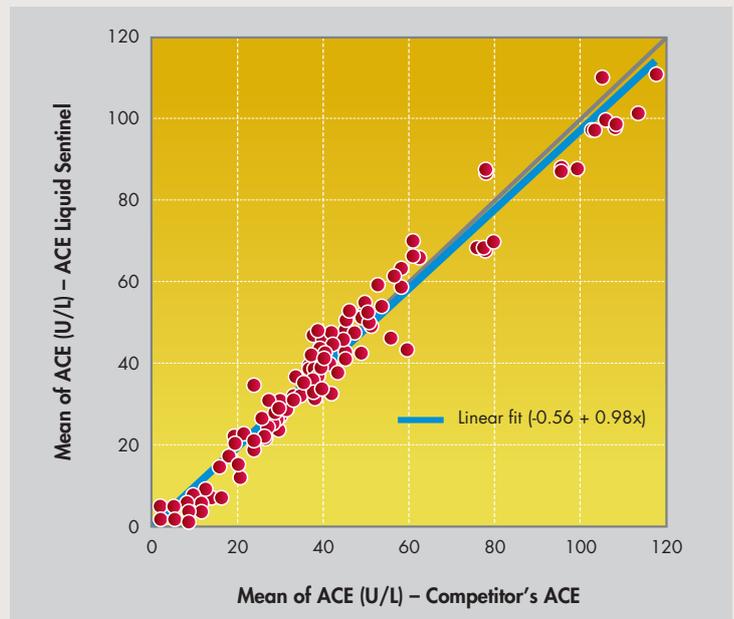
Other diseases in which ACE may be elevated include Gaucher's disease, leprosy, tuberculosis and pathologic conditions involving lung and liver diseases.

Principle

The hydrolysis of FAPGG (furylacryloylphenylalanine-glycylglycine) to FAP (furylacryloylphenylalanine) is catalyzed by ACE enzyme.

Hydrolysis of FAPGG results in a decrease in absorbance at 340 nm. The ACE activity in the sample is determined by comparing the sample reaction rate to that obtained with the Sentinel ACE calibrator.

Method comparison



Ref.	Description	Kit Size
1767001*	ACE Liquid	2x20 mL
1665001**	ACE Calibrator	3x1 mL
1667001	ACE Control Set	2x(3x1 mL)

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