

Apollo Medical Centre

(Promoters : Kurnool Hospital Enterprises Ltd.)

43-67/A,N.R. Peta, Kurnool - 518 004, Phone : (08518) 225888, 225889

Name : SHAIK ADIL BASHA	Bill Date : 22-Jan-2026 10:41 am	
Age : 35	Sample No : 28	
Gender : Male	Smpl.Time : 22-Jan-2026 10:47 AM	
Bill No : QR11400	Report Date : 22-Jan-2026 12:31 pm	
Ref.Dr. : KIMS,HYDERABAD	QR11400 	

DEPARTMENT OF BIOCHEMISTRY.

Test Name	Result	Unit	Bio. Ref. Range	Method
TSH (Thyroid stimulating hormone)	3.80	uIU/ml	0.3 - 4.5	ELFA

Comment:

TSH is a glycoprotein hormone secreted by the anterior pituitary. TSH is a labile hormone & is secreted throughout the day and is subject to several non-thyroidal pituitary influences. Significant variations in circadian rhythm, hormonal status, stress, sleep deprivation, caloric intake, medication & circulating antibodies. It is important to confirm any TSH abnormality in a fresh specimen drawn after ~ 3 weeks before assigning the cause of an isolated TSH abnormality.

For pregnant females	Bio Ref Range for TSH in uIU/ml (As per American Association)
First trimester	0.1 - 2.5
Second trimester	0.2 - 3.0
Third trimester	0.3 - 3.0

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DEPARTMENT OF BIOCHEMISTRY.

Test Name	Result	Unit	Bio. Ref. Range	Method
VITAMIN D (SERUM)				
VITAMIN D (25-OH VITAMIN D)	10.3	ng/mL	30 - 100	CLIA

The biological function of Vitamin D is to maintain normal levels of calcium and phosphorus absorption. 25-Hydroxy vitamin D is the storage form of vitamin D. Vitamin D assists in maintaining bone health by facilitating calcium absorption. Vitamin D deficiency can also cause osteomalacia, which frequently affects elderly patients.

Vitamin D Total levels are composed of two components namely 25-Hydroxy Vitamin D2 and 25-Hydroxy Vitamin D3 both of which are converted into active forms. Vitamin D2 level corresponds with the exogenous dietary intake of Vitamin D rich foods as well as supplements. Vitamin D3 level corresponds with endogenous production as well as exogenous diet and supplements.

Vitamin D from sunshine on the skin or from dietary intake is converted predominantly by the liver into 25-hydroxy vitamin D, which has a long half-life and is stored in the adipose tissue. The metabolically active form of vitamin D, 1,25-di-hydroxy vitamin D, which has a short life, is then synthesized in the kidney as needed from circulating 25-hydroxy vitamin D. The reference interval of greater than 30 ng/mL is a target value established by the Endocrine Society.

Decreased Levels:- Inadequate exposure to sunlight, Dietary deficiency, Vitamin D malabsorption, Severe Hepatocellular disease., Drugs like Anticonvulsants, Nephrotic syndrome.

Increased levels:- Vitamin D intoxication.

Comment:

BIOLOGICAL REFERENCE RANGES

VITAMIN D STATUS	VITAMIN D 25 HYDROXY (ng/mL)
DEFICIENCY	<10
INSUFFICIENCY	10 – 30
SUFFICIENCY	30 – 100
TOXICITY	>100

*** END OF REPORT ***

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Checked By : SAI

QR11400



KINDLY CORRELATE RESULTS WITH CLINICAL FINDINGS & DISCUSS IF NECESSARY.

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