

Patient Name : Demo Patient Name
Age / Sex : 60 Y / F
Referred By : DEMO HOSPITAL
Centre : HOD Head Office

Lab No : Demo Visit No
Registration On : 21-Jan-25 13:03
Patient ID : UHID.DEMO.001

Alpha-Feto Protein				Serum Sample
Accession No: DEMO_BARCODE	Collected On: 21-Jan-25 13:03	Received On: 21-Jan-25 18:51	Approved On: 21-Jan-25 20:25	
Observation	Result	Unit	Biological Ref. Interval	Method
Alpha Feto Protein	46799.0	ng/mL	<9.0	CLIA

The test value has been obtained after 101x dilution of sample

Biological Reference Interval:

- Males and Non-Pregnant Females* : <8.5 ng/ml
* As adapted from Harrison's Principles of Internal Medicine 19th Edition

- During Pregnancy

Weeks of Gestation	AFP Medians(ng/ml)**
14	24.93
15	29.15
16	34.08
17	39.85
18	46.59
19	54.48
20	63.7
21	74.48

**As Adapted from Beckman Coulter Access AFP IFU

Clinical Significance of AFP:

Maternal Testing : AFP synthesized by liver, yolk sac and GIT, is a major component of fetal plasma, reaching a peak concentration of 3mg/mL at 12 weeks of gestation. Following birth, it clears from circulation, falling to 100 ng/ mL by 150 days and reaching adult values by end of 1 year. During pregnancy: Maternal serum AFP (MS AFP) levels rise through the third trimester. Elevated or depressed AFP levels may indicate fetal problems. Elevated MS AFP levels during the second trimester of pregnancy are often associated with one of the most common types of birth defects, open neural tube defects (NTDs).

Cancer Management : Elevated serum AFP levels are observed also in hepatocellular cancer malignant germ cell tumors of the ovary & testis and teratocarcinoma of the testis; patients with gastrointestinal pancreatic, and pulmonary cancers. It is a sensitive indicator of relapse/ response to therapy in testicular tumors containing embryonal/ endodermal sinus elements. Failure of AFP to return to normal within approx. one month after surgery may suggest presence of residual tumour. Increased levels can also be seen in physiological conditions (normal pregnancy), benign liver diseases (cirrhosis and hepatitis), ataxia telangiectasia, other malignancies like pancreatic, gastric, colonic and bronchogenic

Clinical Notes:

A difference of > 20% between two measurements is considered to be medically significant. The assay is used only as an adjunct to diagnosis and monitoring/diagnosis should be confirmed by other tests/procedures. AFP is not recommended as a screening procedure for cancer detection in general population.

Remarks: Please correlate results with clinical conditions.



This is a Demo Signature
and the doctor's signature should appear here

In case of any unexpected or alarming results, please contact us immediately for re-confirmation, clarifications, and rectifications, if needed.

