



Labsmart Software

Sample Letterhead

+91 12345 67890

yourlabname@gmail.com

<https://www.yourlabname.in/>**Mr. Dummy**

Age / Sex : 28 YRS / M

Referred by : Dr. Sachin Patil (MBBS)

Reg. no. : 1106



1106

Registered on : 20/11/2024 03:23 PM

Collected on : 20/11/2024

Received on : 20/11/2024

Reported on : 20/11/2024 03:23 PM

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**ENDOCRINOLOGY**

TEST	VALUE	UNIT	REFERENCE
ALFA FETOPROTEIN, AFP	8.64	ng/mL	< 10

Alpha-fetoprotein (AFP) is a crucial protein found in fetal serum, serving a physiological role akin to that of albumin. It is primarily produced in the yolk sac, the fetal liver, and the fetal gastrointestinal tract. However, shortly after birth, AFP levels drop precipitously, becoming virtually undetectable. In healthy adults, AFP levels are typically below 5.4 ng/mL.

While elevated AFP levels can occur in various benign conditions, a level exceeding 500 ng/mL is rarely associated with non-malignant issues. During a normal pregnancy, AFP levels may rise but generally do not exceed 100 ng/mL. Elevated AFP levels are also observed in chronic liver diseases such as cirrhosis and hepatitis.

AFP plays a pivotal role in the detection of hepatocellular carcinoma and yolk sac tumors. Additionally, it may be sporadically elevated in other malignancies, including certain hepatoid variants of gastric carcinoma. In the case of yolk sac tumors, the AFP level is closely linked to prognosis, with levels surpassing 10,000 ng/mL indicating a poor outcome. For hepatocellular carcinoma, AFP elevation is reported in approximately 70% of patients, underscoring its significance as a biomarker in the diagnosis and management of liver cancer.

~~~ End of report ~~~

Mr. Sachin Sharma  
DMLT, Lab Incharge

Dr. A. K. Asthana  
MBBS, MD Pathologist

NOT VALID FOR MEDICO LEGAL PURPOSE

Work timings: Monday to Sunday, 8 am to 8 pm

Please correlate clinically. Although the test results are checked thoroughly, in case of any unexpected test results which could be due to machine error or typing error or any other reason please contact the lab immediately for a free evaluation.