

Reporting Title: Alpha-Fetoprotein, Tumor Marker, S
Performing Location: Mayo Clinic Laboratories - Rochester Superior Drive

Ordering Guidance:
This test is used as a tumor marker and is **not intended for** the detection of neural tube defects. For testing amniotic fluid specimens, order AFPA / Alpha-Fetoprotein, Amniotic Fluid.

Specimen Requirements:
Collection Container/Tube:
Preferred: Serum gel
Acceptable: Red top
Submission Container/Tube: Plastic vial
Specimen Volume: 0.6 mL
Collection Instructions: Centrifuge and aliquot serum into a plastic vial.

Forms:
If not ordering electronically, complete, print, and send [Oncology Test Request](#) (T729) with the specimen.

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	7 days	
	Frozen	90 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
AFP	Alpha-Fetoprotein, Tumor Marker, S	Numeric	ng/mL	53962-7

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:
No

CPT Code Information:
82105

Reference Values:
[<8.4 ng/mL](#)

Reference values are for nonpregnant subjects only; fetal production of alpha-fetoprotein elevates values in pregnant women.

Range for newborns is not available, but concentrations over 100,000 ng/mL have been reported in normal newborns, and the values rapidly decline in the first 6 months of life.(See literature reference: Wu JT, Book L, Sudar K. Serum alpha fetoprotein (AFP) levels in normal infants. Pediatr Res. 1981;15(1):50-52) For further interpretive information, see

[Alpha-Fetoprotein \(AFP\)](#).

Serum markers are not specific for malignancy, and values may vary by method.