

Enhanced Liver Fibrosis (ELF), Serum

Test ID: ELF

Useful for:

As a prognostic marker in conjunction with other laboratory findings and clinical assessments to assess the likelihood of progression to cirrhosis and liver-related clinical events in patients with advanced fibrosis (F3 or F4) due to metabolic dysfunction-associated steatohepatitis (MASH).

Methods:

Direct Chemiluminescent Immunoassay

Reference Values:

ELF score	Risk of disease progression
> or =9.20	Diagnostic cut-off for clinically significant fibrosis (fibrosis stage 2 or greater)
> or =11.30	Prognostic cut-off for higher risk of progression to liver-related clinical events

Specimen Requirements:

Patient Preparation:	For 12 hours before specimen collection, patient should not take multivitamins or dietary supplements (eg, hair, skin, and nail supplements)
Collection Container/Tube (preferred):	Serum gel
Collection Container/Tube (acceptable):	Red top
Submission Container/Tube:	Plastic vial
Specimen Volume:	1 mL
Collection Instructions:	Within 2 hours of collection, centrifuge and aliquot serum into a plastic vial. Specimens that have not been aliquoted will be rejected.
Minimum Volume:	0.5 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	7 days
	Ambient	48 hours
	Frozen	365 days

Cautions:

Biotin concentrations greater than 150 ng/L falsely decreases propeptide of type iii procollagen and enhanced liver fibrosis score.

In rare cases, some individuals can develop antibodies to mouse or other animal antibodies (often referred to as human anti-mouse antibodies [HAMA] or heterophile antibodies), which may cause interference in some immunoassays. Caution should be used in interpretation of results, and the laboratory should be alerted if the result does not correlate with the clinical presentation.

CPT Code:

81517

Day(s) Performed: Monday through Friday

Report Available: Same day/1 to 3 days

Questions

Contact Nancy Benson, Laboratory Resource Coordinator at 800-533-1710.