

## Enhanced Liver Fibrosis Test

<b>Synonyms</b>	ELF
<b>Clinical Indication</b>	<p>Used to assess the severity of liver fibrosis. Currently only available privately.</p> <p>Liver fibrosis is the excessive accumulation of extracellular matrix proteins in the liver (scarring) and is a major cause of morbidity and mortality in chronic liver disease. The main causes of liver fibrosis include hepatitis infection, alcohol abuse and non-alcoholic fatty liver disease (NAFLD). Advanced liver fibrosis can result in cirrhosis, liver failure and portal hypertension. Liver biopsy has been considered the standard of care for the diagnosis of liver fibrosis. The ELF test provides a score that delivers information on liver fibrosis severity based on the results of the following biomarkers: hyaluronic acid (HA), procollagen III (P3NP) and tissue inhibitor of metalloproteinase 1 (TIMP-1).</p>
<b>Part of Profile / See Also</b>	
<b>Request Form</b>	Combined Pathology manual Blood form or ICE request
<b>Availability / Frequency of Analysis</b>	Referred test: Analysed at UCL Hospital, if specific criteria met. <a href="#">Lab registration 8169</a>
<b>Turnaround Time</b>	2 weeks
<b>Patient Preparation</b>	None required
<b>Sample Requirements</b>	
<b>Specimen Type</b>	Serum/lithium heparin plasma
<b>Volume</b>	2ml
<b>Container</b>	 Yellow top (SST) tube  Paediatric lithium heparin (Orange top – Sarstedt tube)  Paediatric lithium-heparin (pale green top – BD Microtainer tube)
<b>Reference Range &amp; Units</b>	See scoring information below
<b>Interferences</b>	
<b>Interpretation &amp; Clinical Decision Value (if applicable)</b>	<p>ELF Score &lt;7.7 – No to mild fibrosis</p> <p>ELF Score 7.7 to &lt;9.8 – Moderate fibrosis</p>

ELF Score >9.8 - Severe fibrosis

**References**

<https://www.nice.org.uk/guidance/ng49/chapter/recommendations>

Lichtinghagen, R et al The Enhanced Liver Fibrosis (ELF) score: normal values, influence factors and proposed cut-off values *Journal of Hepatology* 2013  
**59(2)** 236-242

**Test code**

ELF

**Lab Handling**

Aliquot 500ul and store in referrals rack at 4C. Sent daily by courier to UCLH.



8169  
Accredited to  
ISO 15189:2012