

# FibroACT

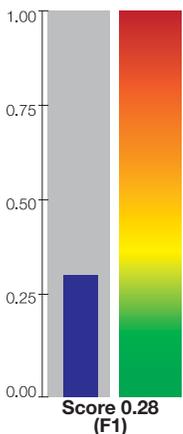
## ACT on Liver Fibrosis and Inflammation

Non-invasive serum test to assess liver fibrosis and inflammation due to viral hepatitis.



### EASILY READ & INTERPRET RESULTS

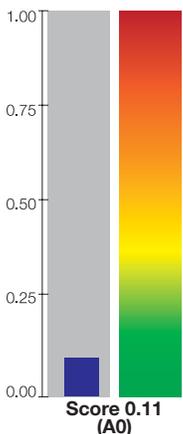
#### LIVER FIBROSIS SCORE



**Estimates liver fibrosis: (METAVIR Score)**

- F4: severe fibrosis (cirrhosis)
- F3: advanced fibrosis
- F2: moderate fibrosis
- F1: minimal fibrosis
- F0: no fibrosis

#### NECROINFLAMMATORY ACTIVITY



**Estimates necroinflammatory activity:**

- A3: severe activity
- A2: moderate activity
- A1: minimal activity
- A0: no activity

### BENEFITS:

- Assessment of liver injury following a diagnosis of HCV infection
- Reduces need for biopsy
- Can be used for monitoring, frequently and safely
- Non-invasive and no fasting required

### RECOMMENDED BY:\*

- American Association for the Study of Liver Diseases (AASLD)
- World Health Organization (WHO)
- Asia-Pacific Association for the Study of the Liver (APASL)
- European Association for the Study of the Liver (EASL)

\*For non-invasive evaluation of hepatic fibrosis in chronic hepatitis C patients.

# FIBROACT

- Assess liver fibrosis
- Differentiate hepatic cirrhosis from non-cirrhosis in individuals with HCV infections or other chronic liver diseases



Quantitative results of six serum biochemical markers: **α2-macroglobulin, haptoglobin, apolipoprotein A1, bilirubin, gamma glutamyl transpeptidase (GGT), and alanine aminotransferase (ALT)**, matched with a patient's age and gender to generate a measurement of fibrosis and necroinflammatory activity in the liver.

FibroACT	Liver Biopsy
<b>Contraindications</b>	
Gilbert's Syndrome and non-hepatic inflammation	Uncooperative patient, severe coagulopathy, extrahepatic biliary obstruction, ascites, morbid obesity
<b>Risks</b>	
Very little to none	Pain, bleeding, pneumothorax, hemothorax, infection
<b>Cost</b>	
Less expensive than biopsy	Expensive
<b>Limitations</b>	
Indirect measurement of changes in the liver	Sampling error, inter-observer variability, possible hospitalization
<b>Nature of Test</b>	
Non-Invasive	Invasive
<b>Advantages</b>	
Measurement of global fibrosis, suitable for monitoring	Direct, evaluation of co-existing pathologies

COLLECTION					
TEST CODE	SUBMIT	HANDLING	TRANSPORT	STABILITY	TAT
FIBROAT	1.5mL Serum SST Tube	Centrifuge sample and separate serum from cells ASAP; refrigerate or freeze immediately	Refrigerated	Room temp: 8 hrs Refrigerated: 5 days Frozen: 2 months	72 hrs

References: <https://www.cdc.gov/>