# 1. Fibronostics

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Code: 0166U; LIVERFASt ™



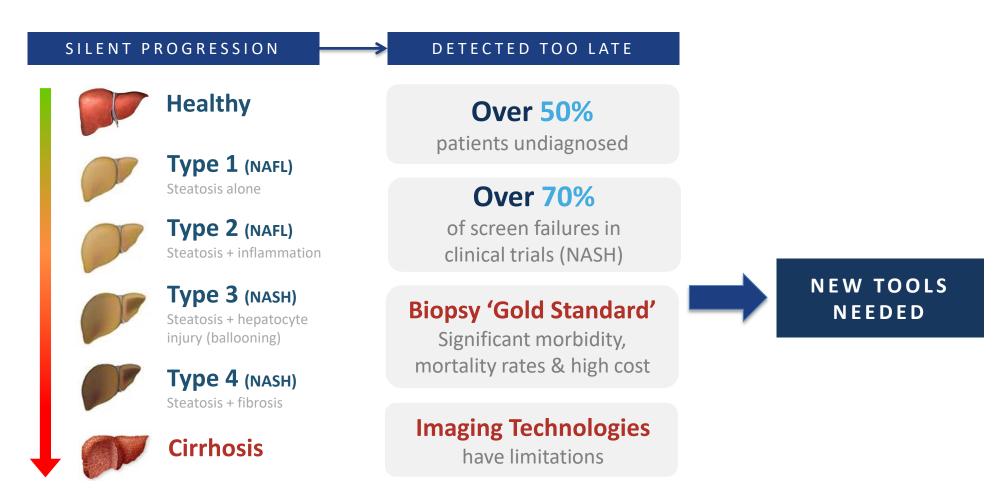
### PLA CPT Code:

#### 0166U LIVERFASt ™

## Long Descriptor:

Liver disease, 10 biochemical assays ( $\alpha$ 2- macroglobulin, haptoglobin, apolipoprotein A1, bilirubin, GGT, ALT, AST, triglycerides, cholesterol, fasting glucose) biometric and demographic data, utilizing serum, algorithm reported as scores for fibrosis, necroinflammatory activity, and steatosis with a summary interpretation

#### **New Detection Tools Needed**



US: Lazo 2013, Younossi 2015, EU: France (Poynard 2010, Ratziu 2012, Blachier 2013), Germany (Haring 2009), Italy (Bedogni 2005), Spain (Caballeria 2010), UK (Armstrong 2012), China: Fan 2009, Fan 2013, Nathan et al., 2016, Younossi et al., 2018, \* NAFLD – Non Alcoholic Fatty Liver Disease; NASH – Non Alcoholic Steato Hepatitis

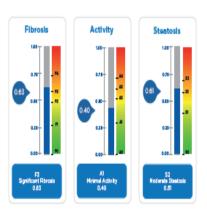
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#### **LIVERFASt ™: Test Purpose**

A platform technology of non-invasive, algorithmic diagnostics detecting organ lesions caused by metabolic diseases

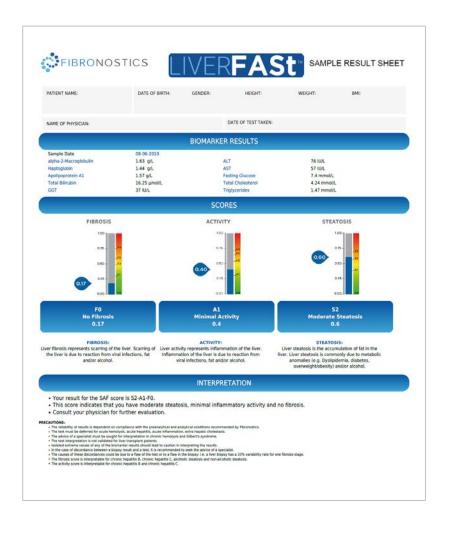


LIVERFASt™ is a blood based diagnostic test that combines 10 biomarkers and algorithm technology to determine the fibrosis, activity and steatosis stages of the liver.

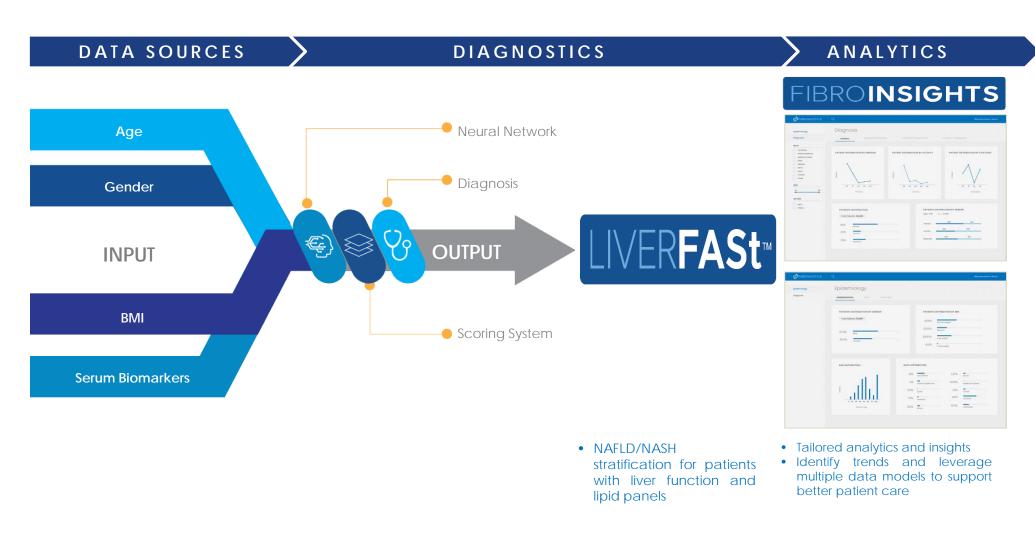


LIVERFASt™ utilizes the following biomarkers:

- alpha-2-Macroglobulin
  ALT (P5P)
- Haptoglobin
  AST (P5P)
- Apolipoprotein A1
  Fasting Glucose
- Total Bilirubin
  Triglyceride
- GGT Total Cholesterol

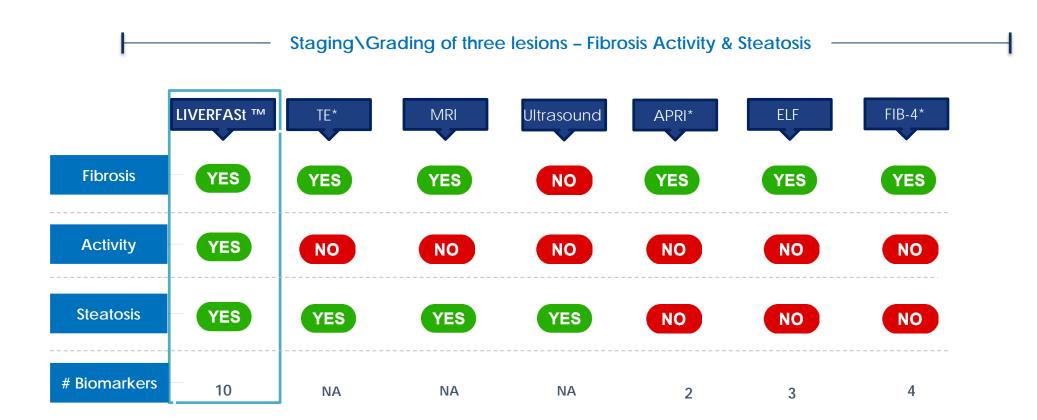


### LIVERFASt ™ Technology – From Diagnostics to Decision Making



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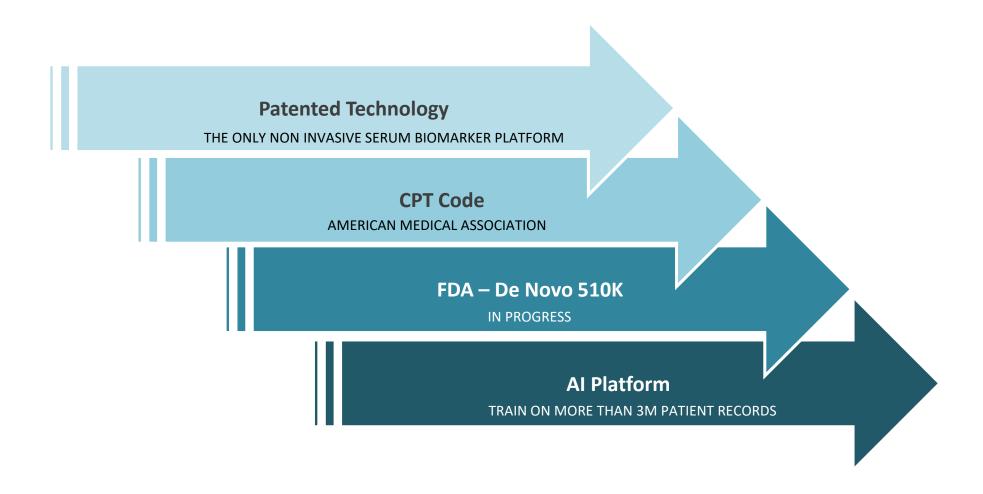
#### **Differences from other Analyte on the CLFS**



LIVERFASt is the only test able to discriminate fibrosis from steatosis and activity without bias in fibrosis estimation related to the presence of activity or steatosis.

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### **LIVERFASt ™ Uniquely Positioned Among Non-Invasive Technologies**



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#### **Public Comment and Rationale**

Public Comment	Rationale
0003M- \$503.40	Consistent with code descriptor:
	<b>0003M-</b> Ten biochemical assays (ALT, A2-macroglobulin, Apolipoprotein A-1, Total Bilirubin, GGT, Haptoglobin, AST, Glucose, Total cholesterol and Triglycerides) utilizing serum, prognostic algorithm reported as quantitative scores for fibrosis, steatosis, and nonalcoholic steatohepatitis
	<b>0166U-</b> 10 biochemical assays (α2- macroglobulin, haptoglobin, apolipoprotein A1, bilirubin, GGT, ALT, AST, triglycerides, cholesterol, fasting glucose) and biometric and demographic data, utilizing serum, algorithm reported as scores for fibrosis, necroinflammatory activity, and steatosis with a summary interpretation

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