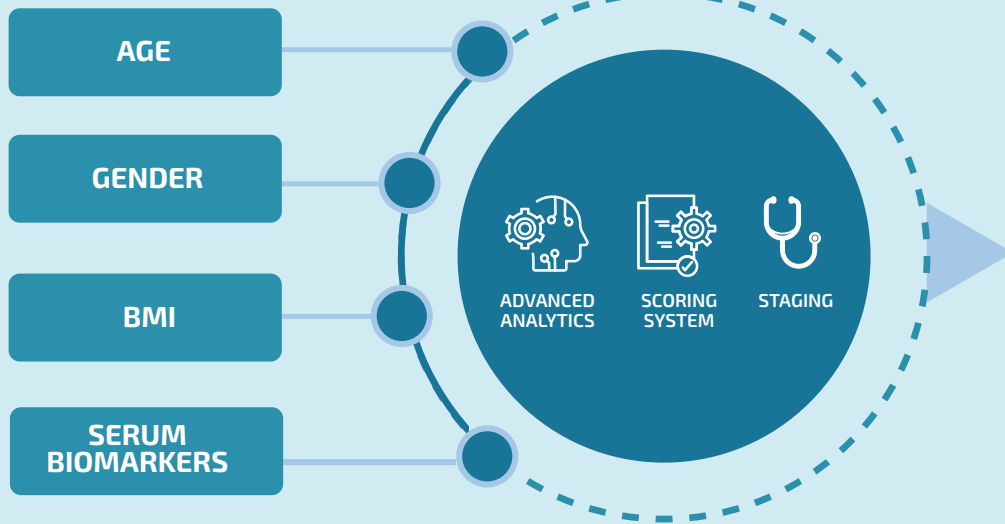


LIVERFAST™

Fibrosis • Activity • Steatosis

1 Blood Draw ▶ 3 Scores ▶ complete evaluation of the liver



- Alpha-2-Macroglobulin
- Haptoglobin
- Apolipoprotein A1
- Total Bilirubin
- GGT
- ALT
- AST
- Fasting Glucose
- Tryglicerides
- Total Cholesterol

FIBRONOSTICS LIVERFAST™ SAMPLE RESULT SHEET

Test id: 452943
Reference no: CL0221031108907
PATIENT NAME: JOHN DOE M.D., P.A.
Physician Name: JOHN DOE M.D., P.A.

Patient ID: B24678654
Gender: Female
Date of Birth: 1964-06-15
Test Date: 2024-07-17
Blood Sample Date: 2024-07-10

TEST SCORES

Fibrosis: 0.41 (F2 advanced fibrosis)
Activity: 0.43 (A3 marked activity)
Steatosis: 0.63 (S3 marked steatosis (≥67%))

INTERPRETATION

S3-A3-F2
Your result for the SAF score is S3-A3-F2. This score indicates that you have marked steatosis (≥67%), marked activity and advanced fibrosis. Consult your physician for further evaluation.

BIOMARKER VALUES

Age:	60 years	Height:	5 ft, 5 in	Weight:	182 lbs	BMI:	30.29
Alpha-2-Macroglobulin	130	mg/dL	ALT	36	IU/L		
Haptoglobin	187	mg/dL	AST	49	IU/L		
Apolipoprotein A1	119	mg/dL	Fasting Glucose	97	mg/dL		
Total Bilirubin	0.4	mg/dL	Total Cholesterol	161	mg/dL		
GGT	42	IU/L	Triglycerides	198	mg/dL		

* NOTE: The highlighted value is at the extremes of the acceptable range of biomarker values.

The performance characteristics of this test were determined by Stone Diagnostics. This test is not FDA approved/cleared. The laboratory is regulated under CLIA as qualified to perform high-complexity testing. Results are not for use as the sole means for clinical diagnosis or patient management. M. Curran/Fras Kiteckis, MD - Lab Director | Stone Diagnostics | 355 Semoran Road, Oak Creek, Florida, FL 33156, USA | Tel: 407-766-6221 | Fax: 850-633-0038 | CLIA #: 1002281860
This report is computer generated. No signature required. LIVERFAST 1.3.0(240711_EN)

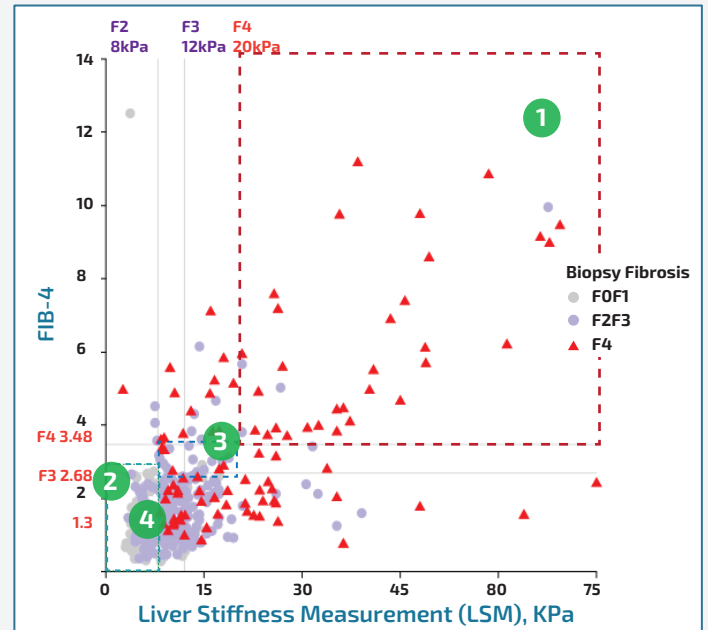
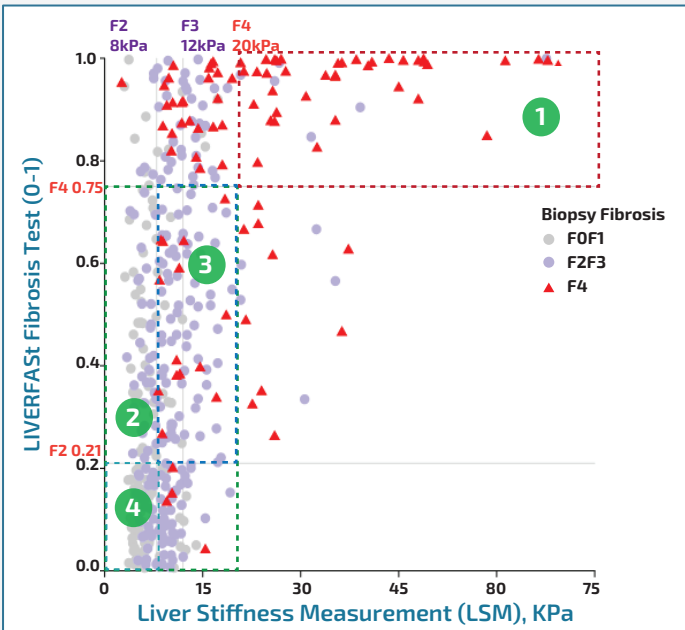
LIVERFAST™ outperforms ELF, FIB-4 and Fibrotest as a MASH patient screening NIT

	LIVERFAST™	ELF	FIB-4	Fibrotest
Fibrosis Yes/No	YES	YES	YES	YES
Fibrosis Staging	YES	NO	NO	YES
Activity Staging	YES	NO	NO	NO
Steatosis Staging	YES	NO	NO	NO
Grey-zone	NO	YES	YES	NO
Easy to do	YES	NO	YES	YES
Works in ≥65yrs & T2D	YES	YES	NO	NO

- **LIVERFAST™ stages fibrosis** from F0 to F4
- Gives **complete liver staging** for fibrosis, steatosis & activity in one test
- **Does not miss F2 or F3 patients** because of a "grey zone"
- **Identifies twice as many F2 or F3 patients** than FIB-4
- **Works better** in elderly & T2D
- **Clinical Path Ready - LIVERFAST™ is ideal first step** with Fibrosan
- **Great for Screening - Identifies more target patients** more easily in any setting than other NITs

LIVERFAST + Fibroscan outperformed FIB-4 + Fibroscan strategy for identifying more at-risk MASH patients

Overall MASLD population (n=452) with LB ≥2cm



STEP ONE – Identify & exclude cirrhosis

	N=452	LIVERFAST & LSM agree	Liver Biopsy confirms agreement of NITs (n%)
1	LIVERFAST & LSM agree on cirrhosis F4	47	41 (87%)
2	LIVERFAST & LSM agree on NO cirrhosis F4	313	295 (94%) Not F4

STEP ONE – Identify & exclude cirrhosis

	N=452	FIB-4 & LSM agree	Liver Biopsy confirms agreement of NITs (n%)
1	FIB-4 & LSM agree on cirrhosis F4	35	31 (89%)
2	FIB-4 & LSM agree on NO cirrhosis F4	367 (199 with FIB-4 <1.3 or 2.68-3.48 +168 Grey Zone)	337 (92%) Not F4

STEP TWO – Identify F2 & F3

	N=295 without presumed cirrhosis	LIVERFAST & LSM agree	Liver Biopsy confirms agreement of NITs (n%)
3	LIVERFAST & LSM agree on F2F3	107	74 (69%)
4	LIVERFAST & LSM agree on NO F2F3	85	55 (65%) F0F1

STEP TWO – Identify F2 & F3

	N=337 without presumed cirrhosis with both NITs	FIB-4 & LSM agree	Liver Biopsy confirms agreement of NITs (n%)
3	FIB-4 & LSM agree on F2F3	19 presumed F3 (+106 Grey Zone, presumed F2)	10 (53%) F3 23(22%) F2 Grey Zone*
4	FIB-4 & LSM agree on NO F2F3	99	60 (61%) F0F1

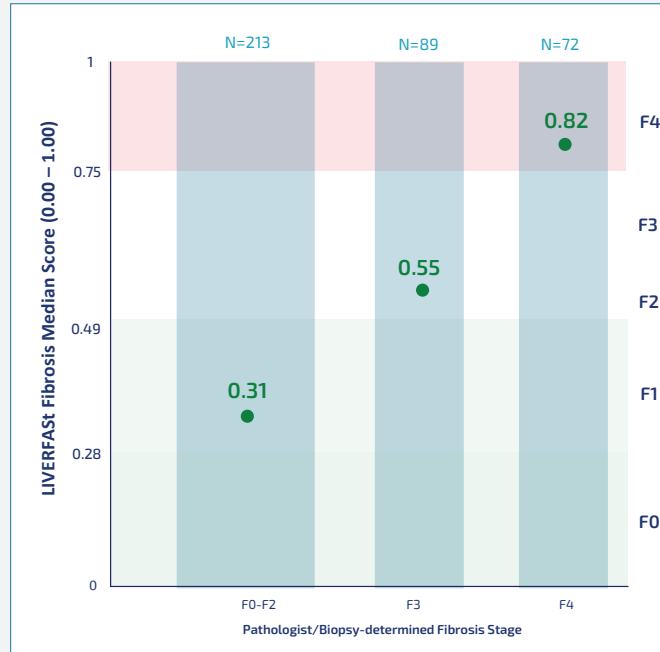
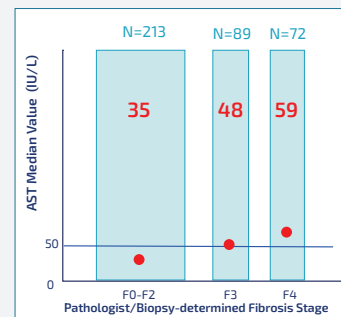
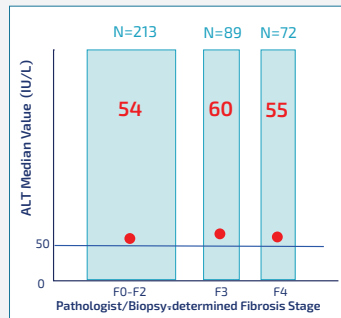
*If 1 stage discordance between FIB-4 and LSM is accepted, the 86 (69%) (13 between 2.68-3.48 and 73 GZ) are confirmed F2 or F3

- LIVERFAST + LSM identifies more F4 livers correctly than FIB-4 + LSM, 41 vs 31
- LIVERFAST provides a continuous score from 0 to 1, differentiating between each different stage of fibrosis
- LIVERFAST + LSM identifies 74 out of 107 F2F3 fibrosis patients correctly (69%)

- The use of rule-in/rule-out cut-offs results in a grey zone, making it difficult to specify F2 stage of fibrosis
- FIB-4 + LSM identifies only 33 out of 125 F2F3 livers correctly (26%)
- FIB-4 + LSM is in practice not as efficient as a 2 sequential NIT strategy for F2F3F4 stages

LIVERFAST™ predicts biopsy results, ALT and AST do not

Overall MASLD population (n=374)



*deLedinghen V. et al. Hepatology Suppl 2020

- LIVERFAST scores correlate with biopsy stage of fibrosis as determined by a pathologist
- ALT and AST values are random, do not correlate with biopsy determined staging
- ALT and AST values go down naturally with increasing age
- Since FIB-4 depends on both ALT and AST, it does not and cannot work well as a screening and identification tool for fibrosis
- LIVERFAST is a useful tool to screen at-risk patients for advanced liver disease
- LIVERFAST is easy to do, using standard blood biomarkers

LIVERFAST has high clinical performance for Fibrosis & Activity

LIVERFAST Activity Test performance

MASLD population (n=223)

AUROC (95% CI)	0.79 (0.71 - 0.85)
Specificity	0.85
Sensitivity	0.59
Negative Predictive Value	0.65
Positive Predictive Value	0.85

LIVERFAST Fibrosis Test performance

MASLD population (n=223)

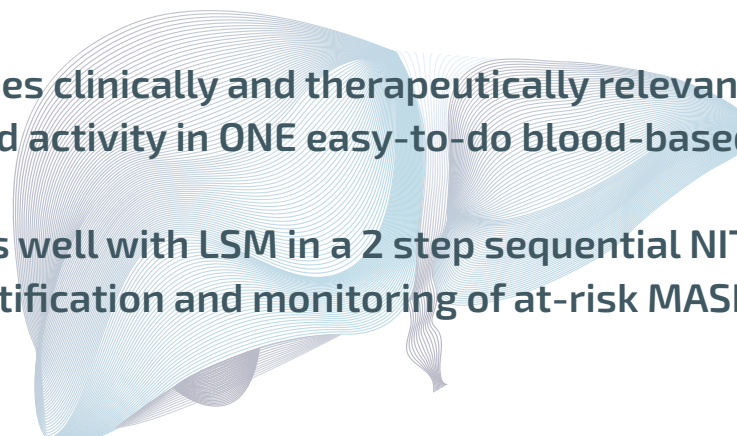
AUROC (95% CI)	0.867 (0.807 - 0.910)
Specificity	0.85
Sensitivity	0.75
Negative Predictive Value	0.88
Positive Predictive Value	0.71

The concordance for cirrhosis with Liver Biopsy (n=452)

LIVERFAST	LSM	FIB-4
67/95 (71%)	51/95 (54%)	45/95 (47%)

Only LIVERFAST provides clinically and therapeutically relevant identification of fibrosis and activity in ONE easy-to-do blood-based test.

LIVERFAST combines well with LSM in a 2 step sequential NIT strategy from screening, identification and monitoring of at-risk MASH patients.



Easy to do in multiple settings to help specialists manage MASH



Physician prescribes **LIVERFAST™**



Lab analyzes 10 biomarkers from **1 blood draw**



Biomarker values plus age, height, weight, gender, are entered into the LIVERFAST™ platform



LIVERFAST™ results are available immediately



Patients have to wait 2 months to get an appointment at my clinic and then 70% of their Fibroscans come back clean...

Large at-risk patient populations in primary-care settings

Screening and identification with

LIVERFAST™

All at-risk patients

✓ Fast + Easy to do

>80% F0-F2 ▶ remain in primary-care
< 20% F3F4 ▶ referral to specialist

✓ High degree of Dx certainty

✓ Low percentage of false positives

✓ Avoids need for biopsy

Confirmation of identified F3F4 patients with LSM



< 20% of screened patients referred to specialist

MASH patients confirmed by 2 sequential NITs strategy



Screening
Liver specific



Staging
Early to late staging



Monitoring
Easily repeatable



Prognosing
Patient outcomes and management

Contact Us

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* Abbreviations

- ALT** Alanine aminotransferase
AST Aspartate aminotransferase
GGT Gamma Glutamyl Transpeptidase
LB Liver Biopsy
LSM Liver Stiffness Measurement
PCOS Polycystic ovary syndrome
MASLD Metabolic Dysfunction-Associated Steatotic Liver Disease
MASH Metabolic Dysfunction-Associated Steatohepatitis
SLD Steatotic liver disease



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