imaware™

Cardiovascular Health Test Report

Date Presented - July 5, 2019

Ordering Doctor

Name: Dr. Jody Smith
License #: 00515515
UPIN #: A999Z9
NPI #: 9999999999

Patient Details

Jane Smith
Patient Number: 100523
DOB: Jan 1, 1980
Gender: Female
Ph: (234) 234-2343

Specimen Details

Collected: July 1, 2018
Sent: July 1, 2019
Tested: July 5, 2019
Source: Capillary Blood

Welcome To Your Results

Dear Jane Smith,

We received your small volume blood sample, and tested it for the presence of certain biomarkers commonly associated with cardiovascular health.

The testing platform used to produce the results described in this report has been shown to detect these biomarkers to a high level of accuracy when they are present, and to also correctly show a negative result when they are not present.

When shared with your healthcare professional, we are confident this report will provide insight to inform healthcare decisions that may improve your health and quality of life.

You and your healthcare professional can trust the science behind these results, as our lab partners have completed validation studies comparing this process to established testing methods.

For any questions about this test, please visit us at www.imaware.health or connect with us via email at support@imaware.health.

In good health,
The imaware team

Medical Advisory Team

Dr. Tsimikas
Director of Vascular Medicine
at the UC San Diego Health

Dr. Davidson
Preventive Cardiology
at University of Chicago

Cardiovascular Health Test - Your Results Summary

> ## Jane, your **cardiovascular health appears to be normal**
> based on biomarker sampling as well as patient specific considerations.

BIOMARKER SAMPLING

A biomarker refers to a category of objective signs that indicate medical state, and elevated biomarker levels in your blood can signal the presence of a disease.
We tested your blood for the following biomarkers:

Total Cholesterol	HDL	LDL	VLDL	Total / HDL Ratio	LDL / HDL Ratio
NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL

Triglycerides	hsCRP	HbA1c	Glucose, Est Avg	Glucose
NORMAL	NORMAL	NORMAL	NORMAL	NORMAL

PATIENT SPECIFIC CONSIDERATIONS

We included specific aspects of your history and condition as part of this test in order to confirm your likelihood.

• You indicated you have not been previously tested

• You indicated you do not have a family history of cardiovascular diseases

Your overall likelihood is compared to the possible scenarios

Highly Likely
More than 60% likelihood

Somewhat Likely
Between 25-60% likelihood

Less Likely
Between 2-25% likelihood

Not Likely
Less than 2% likelihood

> ## Not likely
> ### Likelihood you have a cardiovascular disease
>
> Your likelihood estimate is based on biomarker sampling and preconditions:
>
> Your blood sample contained normal biomarker levels
>
> You did not indicate a pre-condition that may increase your likelihood of having this condition

Your Next Steps

Share these results with your doctor, who can review your results and provide an action plan before you make any major lifestyle changes.

If you begin to make any doctor recommended lifestyle changes, imaware™ can help you monitor the effectiveness of your lifestyle changes and treatment.

Cardiovascular Health Test - Prediabetes Results

The following pages provide additional information that should be shared with your healthcare professional.

DETAILED PATIENT RESULTS TABLE

Analyte	Quantitative	Qualitative	Reportable Range	Cutoff	Target Range
Hb-A1c	4.5%	Negative	4.0% - 14.0%	5.7%	4.0% - 5.7%
Blood Glucose	80 mg/dL	Negative	60 - 400 mg/dL	100 mg/dL	60 - 100 mg/dL
EAG (Est. Avg. Glucose)	86 mg/dL	Negative		117 mg/dL	68 - 117 mg/dL

PATIENT DISEASE AND SYMPTOMS STATUS

• You indicated that you have not been previously diagnosed

• You indicated you do not have a family history of Type 2 diabetes

• You indicated you currently do not smoke

Cardiovascular Health Test - Prediabetes Results - Detailed Scientific Validation

imaware™ tests are tested to be highly accurate and precise. The following data can be reviewed by your medical professional to better understand the validity of the imaware test.
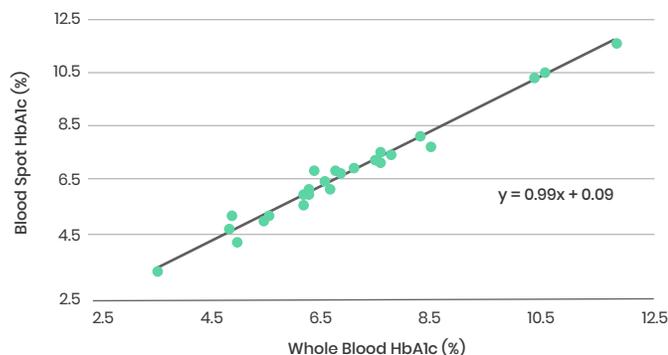
HEMOGLOBIN A1C TEST - SCIENTIFIC VALIDATION

Accuracy

Paired whole blood samples versus dried blood spots containing varying concentrations of Hemoglobin A1c were tested to determine comparability of the two different collection methods. A1c concentrations were determined using a latex enhanced immunoturbidimetric assay and statistically analyzed by simple regression:

N=30		
Correlation Coefficient		0.9898
Slope		0.99
Intercept		0.09

	DBS A1c	Comparable Whole Blood Method
Mean Hemoglobin A1c	6.8	6.8
Standard Deviation of Range	1.8	1.8

$$y = 0.99x + 0.09$$

GLUCOSE TEST - SCIENTIFIC VALIDATION

Accuracy

Paired serum and dried serum spot samples containing varying concentrations of Glucose were tested. Glucose concentrations observed for the dried serum (DS) samples versus serum (enzymatic colorimetric method) were statistically analyzed by simple regression:

N=27		
Correlation Coefficient		0.98
Slope		0.91
Intercept		7.59

	DS Glucose	Comparable Serum Method
Mean Glucose	112.0	114.6
Standard Deviation of Range	64.9	70.4

$$y = 0.9115x + 7.5805$$

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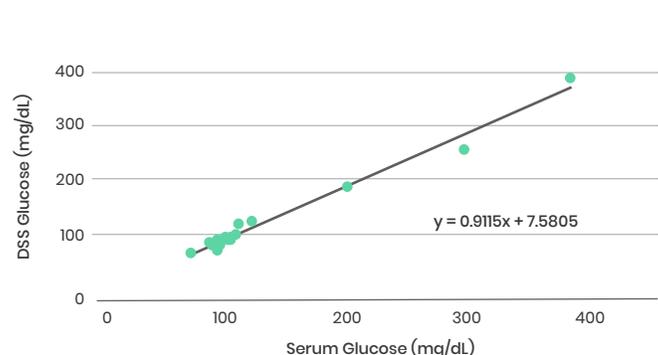
Cardiovascular Health Test - Lipids Results

The following pages provide additional information that should be shared with your healthcare professional.

DETAILED PATIENT RESULTS TABLE

Analyte	Quantitative	Qualitative	Reportable Range	Cutoff	Target Range
Cholesterol, Total	190.0 mg/dL	Negative	100 - 400 mg/dL	200.0 mg/dL	<200.0 mg/dL
HDL-C	50.0 mg/dL	Negative	25 - 100 mg/dL	40 mg/dL	>40.0 mg/dL
LDL-C (Calc)	140.0 mg/dL	Negative	12 - 700 mg/dL	160.0 mg/dL	<160.0 mg/dL
Triglycerides	190.0 mg/dL	Negative	50 - 400 mg/dL	200.0 mg/dL	<200.0 mg/dL
Cholesterol/HDL Ratio (Calc)	4.0	Negative	0.7 - 33	5.0	<5.0
LDL/HDL Ratio (Calc)	3.2	Negative	0.4 - 47	3.5	<3.5
VLDL (Calc)	20.0 mg/dL	Negative	10 - 80 mg/dL	30.0 mg/dL	<30.0 mg/dL
hsCRP	2.0 mg/L	Negative	0.5 - 150.0 mg/L	3.0 mg/L	<3.0 mg/L

Cardiovascular Health Test - Lipids Results - Detailed Scientific Validation

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TOTAL CHOLESTEROL TEST - SCIENTIFIC VALIDATION

Accuracy

Paired serum and dried serum samples containing varying concentrations of Cholesterol were tested. Cholesterol concentrations observed for the dried serum samples verus serum (enzymatic colorimetric method) were statistically analyzed by simple regression.

N=45		
Correlation Coefficient		0.95
Slope		0.55
Intercept		87.3

	DS Cholesterol	Comparable Serum Method
Mean Cholesterol	185.6	181.2
Standard Deviation of Range	20.9	39.1

y = 0.51x + 94.2
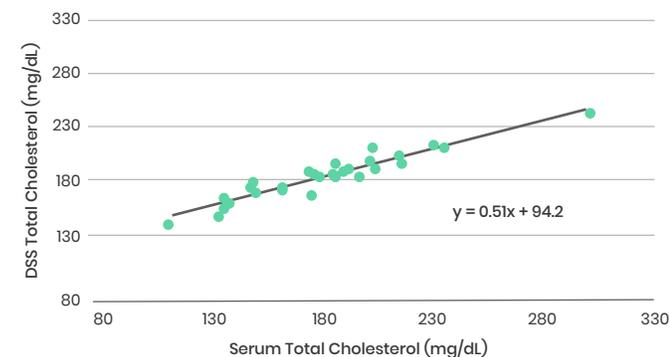
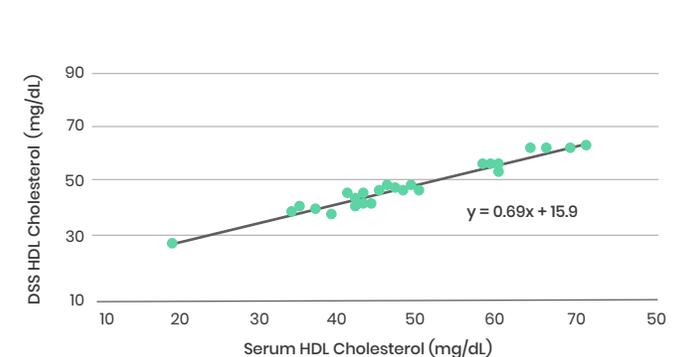### HDL-CHOLESTEROL TEST - SCIENTIFIC VALIDATION

Accuracy

Paired serum and dried serum spot samples containing varying concentrations of HDL-Cholesterol were tested. HDL concentrations observed for the dried serum samples versus serum (enzymatic colorimetric method) were statistically analyzed by simple regression:

N=29		
Correlation Coefficient		0.97
Slope		0.69
Intercept		15.9

	DS HDL	Comparable Serum Method
Mean HDL Cholesterol	49.0	47.7
Standard Deviation of Range	8.3	11.8

y = 0.69x + 15.9

Cardiovascular Health Test - Lipids Results - Detailed Scientific Validation Continued

imaware™ tests are tested to be highly accurate and precise. The following data can be reviewed by your medical professional to better understand the validity of the imaware test.

TRIGLYCERIDES TEST - SCIENTIFIC VALIDATION

Accuracy

Paired serum and dried serum samples containing varying concentrations of Triglycerides were tested. Triglycerides concentrations observed for the dried serum samples verus serum (enzymatic colorimetric method) were statistically analyzed by simple regression.

N=47	
Correlation Coefficient	0.99
Slope	0.83
Intercept	24.5

|	DS Triglycerides	Comparable Serum Method
Mean Triglycerides	124.1	131.8
Standard Deviation of Range	90.6	133.7
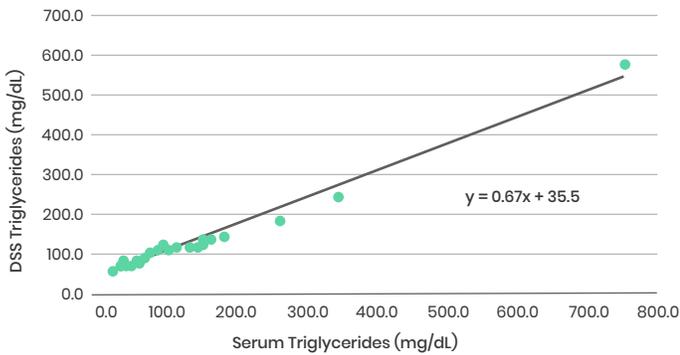
HS-CRP TEST - SCIENTIFIC VALIDATION

Accuracy

Paired serum and dried serum spot samples containing varying concentrations of hsCRP were tested. hsCRP concentrations observed for the dried serum samples versus serum (immunoturbidimetric method) were statistically analyzed by simple regression:

N=20	
Correlation Coefficient	0.98
Slope	0.90
Intercept	0.37

	DS hsCRP	Comparable Serum Method
Mean hsCRP	3.0	2.9
Standard Deviation of Range	3.5	3.9
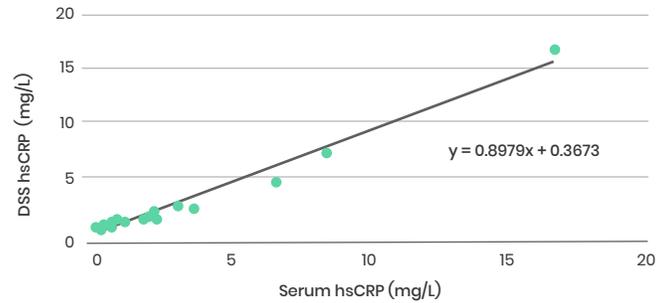
Cardiovascular Health Test - Additional Information

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PERFORMING LABORATORY INFORMATION

• Patient Sample was performed on July 5, 2019 by CoreMedica Labs.

• CLIA Number 26D2013888 CAP Accreditation 7537862

• Lab Location: 200 NE Missouri, Ste 302, Lees Summit, MO, 64081

• Lab Director: Dr. Cristian Saez, Ph.D.

TEST NOTES AND LIMITATIONS

• These test results should be shared with your healthcare provider

• This test is not to diagnose any health condition - only your healthcare provider can make that determination,
  in light of your overall health history and the results of other testing they may decide to order

• Please consult your healthcare provider before making any dietary changes