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Intelligent Science

## Understanding Vascular and Endothelial Health

### SmartVascular Dx™

is a blood test designed to assess biomarkers associated with vascular inflammation and endothelial health.



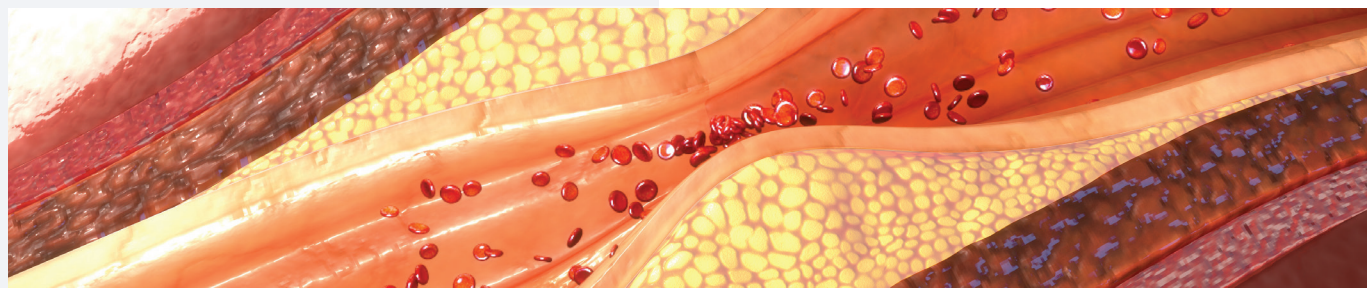
## What Information does SmartVascular Dx Provide?

**Assess** biomarkers associated with vascular inflammation and endothelial injury biology in patients.

**Provide** additional insight into vascular inflammation beyond traditional testing.

**Support** a better awareness of vascular inflammation.

**Help** patients and healthcare providers better understand biomarkers associated with vascular inflammation.



## Did You Know

Chronic inflammation is linked to  
**50%+ all deaths worldwide<sup>1</sup>**

**Silent vascular inflammation**  
can lead to serious diseases<sup>2</sup>

Many of today's most common  
diseases are driven by underlying  
**inflammation<sup>3</sup>**

## Who May Benefit?

### Key Risk Factors include:

#### Dyslipidemia

(abnormal lipid levels)

- Elevated LDL cholesterol
- Elevated triglycerides
- Low HDL cholesterol
- Elevated ApoB
- Elevated Lp(a) or small dense LDL

#### Diabetes

- Insulin resistance
- Elevated fasting glucose
- Obesity
- Elevated HbA1c
- Impaired glucose tolerance

#### Hypertension

- Persistent elevation of systolic and/or diastolic blood pressure

## Getting Tested is Simple

**Speak with your Doctor** to ask if SmartVascular Dx is right for you.

**A simple** blood draw is all that is needed.

**Get results** with an easy to understand report that can be reviewed by your healthcare provider as part of your overall clinical assessment.

**Better Understand** your vascular health.

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Know Your Vascular Health

Get SmartVascular Dx  
Today

**Prioritize** your vascular health. To discover more about SmartVascular Dx, consult your physician or visit [mslinc.com](http://mslinc.com) to learn more.



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## Why Choose SmartVascular Dx?

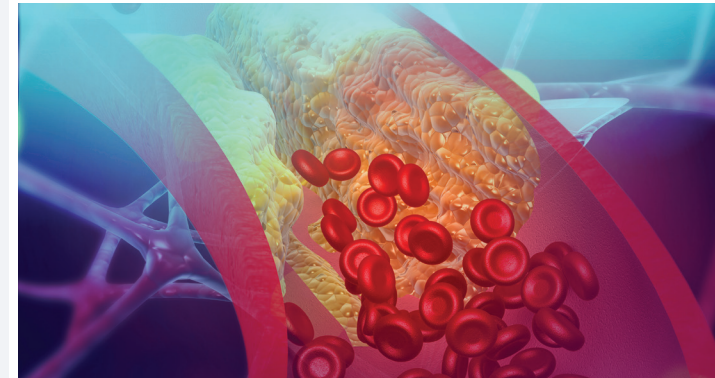
**SmartVascular Dx** is a simple yet powerful blood test that measures 7 key biomarkers of vascular inflammation. Many inflammatory blood tests are nonspecific and do not independently distinguish acute from chronic inflammatory states.<sup>4</sup> Understanding the difference between these two distinct types of inflammation is essential. In contrast, SmartVascular Dx offers a broader approach by looking at underlying inflammation in the endothelial layer of your blood vascular system which can lead to health problems.



- IL-16
- sFas
- Fas Ligand
- HGF
- CTACK
- Eotaxin
- MCP-3

Results may provide additional information regarding vascular inflammation and endothelial health that can be considered alongside standard clinical evaluation.

Each report includes a personalized progress chart, allowing results to be reviewed over time in conjunction with other clinical information.



## Understanding Your Vascular Health

SmartVascular Dx provides additional information about vascular health in individuals with dyslipidemia, hypertension, and/or diabetes. Results should be interpreted by a healthcare provider in the context of the patient's overall clinical picture to help support informed clinical decision-making.

**References:** 1. Libby P. (2013). Mechanisms of acute coronary syndromes and their implications for therapy. *The New England journal of medicine*, 368(21), 2004–2013. 2. Libby, P, Ridker, PM, & Hansson, GK. (2011). Progress and challenges in translating the biology of atherosclerosis. *Nature*, 473(7347), 317–325. 3. Sachdeva, A, Cannon, CP, Deedwania, PC, et al. (2009). Lipid levels in patients hospitalized with coronary artery disease: an analysis of 136,905 hospitalizations in Get With The Guidelines. *American heart journal*, 157(1), 111–117.e2. 4. Gruys E, Toussaint MJM, Niewold TA, Koopmans SJ. Acute phase reaction and acute phase proteins. *Journal of Zhejiang University Science B*. 2005;6(11):1045–1056. doi:10.1631/jzus.2005.B1045.

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