



The endothelium is the body's healing switchboard

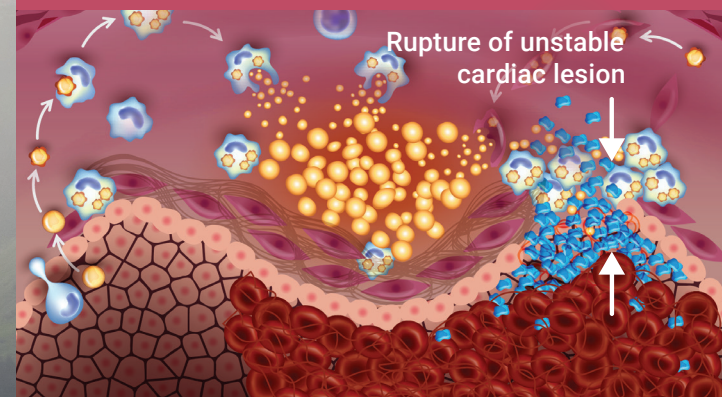
The endothelium is the 'lining' inside of your blood vessels. When it's healthy, it keeps blood flowing smoothly. When it's damaged, the vessels become sticky and inflamed, making it easier for blockages and clots to form — that's the beginning of heart disease.

The endothelium works to prevent clots, regulate blood pressure, support the immune system, drive healing and new vessel growth, and even act as a hormone-producing organ.

When the endothelium is inflamed, patients may experience:

- Fatigue, insomnia, and mood disorders
- Autoimmune disease (8% of the population, 80% are women)¹
- Metabolic dysfunction (38.4% are pre-diabetic, 11.6% are diabetic)²
- Accelerated aging, cardiovascular disease, and cancer

How does SmartVascular Dx differ from other tests?



- 1 Detects damage to the arteries and endothelium that is often undetected.
- 2 Analyzes the stage of the disease and identifies risk factors that contribute to its progression.
- 3 Uses multiple biomarkers coupled with a proprietary algorithm for a comprehensive assessment of arterial conditions.

Measuring

Vascular Endothelial Inflammation with SmartVascular Dx™

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SmartVascular Dx serves as a "check engine light" by providing accurate diagnoses of significant vascular inflammation linked to various medical conditions including infections, autoimmune diseases, cancer, COVID-19, diabetes, and metabolic abnormalities. These conditions increase the risk of heart attacks, strokes, and other serious inflammatory issues. By 2030, it is projected that 40.5% of the U.S. population will have cardiovascular disease.³

Getting tested is simple

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

A quick blood draw is all that is needed.

Get results with an easy to understand report that can be used to guide your next steps.

Protect your health based on your unique risk factors.



Know Your Vascular Health

Empowering Wellness

To discover more about SmartVascular Dx, consult your physician or visit 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—critical indicators of hidden vascular risk.



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

Traditional tests only assess cholesterol levels, primarily focusing on blockages. In contrast, SmartVascular Dx offers a much broader approach by looking at all inflammation in the endothelial layer of your blood vascular system which can lead to heart attacks or strokes even without significant blockage.

By tracking your vascular health over time, you and your physician can detect early warning signs and act before serious problems arise.

Each report includes a personalized progress chart, allowing you to monitor improvements and make informed decisions about your vascular health.



An inflammation score to track health



SmartVascular Dx is a powerful, data-driven test that measures inflammation vs. repair balance, equipping your physician with the insights needed to develop a highly personalized treatment plan. Take proactive steps toward optimal vascular health, don't wait for symptoms to appear—prioritize your preventative care today.

References: 1.Fairweather, D., et al. (2008). Sex differences in autoimmune disease from a pathological perspective. *The American Journal of Pathology*, 173(3), 600–609. <https://doi.org/10.2353/ajpath.2008.071008> 2.(May 15, 2024) *National Diabetes Statistics Report*, cdc.gov, <https://www.cdc.gov/diabetes/php/data-research/index.html> 3.Heidenreich P.A., MD, MS, FAHA, Chair, et al. (January 24, 2011) *Forecasting the Future of Cardiovascular Disease in the United States: A Policy Statement From the American Heart Association*, [ahajournals.org, https://www.ahajournals.org/doi/10.1161/cir.0b013e31820a55f5](https://www.ahajournals.org/doi/10.1161/cir.0b013e31820a55f5)

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MKP-SVD-0012 0925