



Aperiomics **Xplore-PATHOSM** **Test**

The first and only test able to **identify every known bacterium, virus, fungus, and parasite.**

Access the most scientifically advanced microbial testing available.



Aperiomics Xplore-PATHOSM test is **advancing healthcare.**

Clinicians can finally uncover
the specific causes of infections,
solve medical mysteries, and provide
a path to better patient care.

At Aperiomics, we find answers no one else can.

For your patients with chronic or mysterious infections, this test can be vital in developing the best treatment plan. No longer are you limited by traditional testing methodologies.

Delivering on the decades-old promise of genomic sequencing and scientific innovation, Xplore-PATHOSM is more efficient and effective than any other test on the market. We can now identify every pathogen known to modern science with 97% sensitivity and 99.99% specificity.

THE APERIOMICS TESTING ADVANTAGE

Aperiomics Xplore-PATHOSM collection kits can be used to collect nearly any type of biological sample.

Using proven technology called deep shotgun metagenomic sequencing, our advanced genomic database, and superior data analytics, each sample is screened for more than **37,000 microorganisms** including over **7,500 clinically relevant pathogens**.



APERIOMICS XPLORE-PATHOSM TEST

The most advanced test to identify every known pathogen.

Deep shotgun metagenomic sequencing allows the Xplore-PATHOSM test to examine up to 100% of the genomic fingerprint—as opposed to the PCR, 16S, or 18S testing used by our competitors, which can only examine ~0.001% of the genetic fingerprint.

	Aperiomics	Company M
Identifies the Following:		
bacteria	✓	✓
viruses	✓	✗
fungi	✓	✓
parasites	✓	✗
% of Genome Examined	~100%	~0.001%
Microbes Identified	37,000+	–
Pathogens Identified	7,500+	–
Differentiates All Species	✓	✗
Collection Kit Options	11	4

The Xplore-PATHOSM algorithm is able to **identify every known pathogen with 97% sensitivity and 99.99% specificity.**

75% of **older testing fails to identify the causes of infection.**

Support From Our Team of Experts

We are committed to providing unbiased insight into the causes of infections, so you can determine the best possible treatment plan.

For clinicians, our test includes a post-report consultation with our team of infectious disease experts to provide insight, context, and deeper understanding of results.

ABOUT APERIOMICS

Aperiomics was founded on the belief that we can shift the paradigm of infection identification for better patient outcomes. We are a group of experienced clinicians and researchers who are passionate about leveraging the power of technology to advance human health and quality of life.

Crystal R. Icenhour, PhD *CEO and Co-Founder*

Dr. Icenhour has a PhD in Pathobiology and Molecular Medicine and is an expert in infectious disease. She holds two patents, and is a respected and prolific researcher, author, and presenter.

Alvin (Yuan) Chen, PhD *CTO and Co-Founder*

Dr. Chen has a PhD in Genetics and Bioinformatics and is an expert in genomics. He developed the Aperiomics Xplore-PATHOSM test.

C. Alexander Valencia, PhD *Chief Clinical Officer*

Dr. Valencia is a clinical molecular geneticist and an expert in next-generation sequencing technologies. He is widely published in peer-reviewed journals and has made significant contributions to the field.



Learn more about how we are revolutionizing healthcare at aperiomics.com.



Set up your **complimentary clinician account** today.

Learn more and order collection kits
at aperiomics.com/clinician-form
or call **703.229.0406**.

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PRIVACY

Aperiomics is HIPAA compliant and takes great measures to ensure that your personal information and genetic material remain private and secure. Your individual information will never be sold, rented or leased to any third party without your express, written consent.

