

HR5™

HIGH RISK PATHOGEN TEST

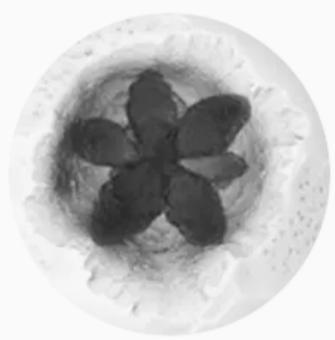
Convenient. Compelling. Affordable.

ADVANCING ORAL & SYSTEMIC HEALTH

Our mission is to give clinicians what they want: an inexpensive test focused on the five high-risk bacteria that is easy to read and comprehend, effortless to order, and results returned in 48 hours.

FOCUSED	<p>Scientific evidence has shown that these five bacterial pathogens are the most critical and highest risk for infection, inflammation, oral cavity damage, systemic consequences.</p> <p>Focus makes the HR5 test easier to explain and market to patients, thereby increasing its use in the clinic.</p> <p>As an efficient screening test, HR5 identifies low grade infections long before they present with visual symptoms.</p>
ACCURATE	<p>Accuracy starts with the latest qPCR technology but wins based on the molecular biochemistry skills of the scientific team and the superiority of the primers, probes, and signals.</p> <p>We offer the most accurate test (lowest limit of detection) available for these bacteria in saliva. Ask us about it.</p> <p>Accuracy means we find these harmful pathogens early, making them easier to treat and driving successful outcomes faster.</p>
AFFORDABLE	<p>Price matters to all of us. A lower price-point means that it is easier to market to patients, offers more margin for practices, and increases use which will drive treatments and healthier patients.</p> <p>We achieved lower cost through focus as well as technology improvements in throughput and operational efficiency.</p> <p>Our goal is to see this test one day covered by medical and dental insurance due to its significant impact on overall health.</p>
EASY	<p>For providers and patients alike, easy is about as important as price. Easy to order. Easy to read. Easy to explain. Easy to say yes.</p> <p>What could be easier than collecting just 1ml of saliva from a patient. Hyper-efficient and results returned in just two days.</p> <p>Equally important to us is designing the result format to be easy to understand and clearly identify the healthy ranges for each bacteria based on the latest research publications.</p>
COMPELLING	<p>The verdict is in and the scientific research continues to implicate these five bacteria in an expanding horizon of oral and systemic health issues - acute and chronic.</p> <p>Perhaps most compelling is the personalized treatment plan that can be created for each patient to manage their pathogen levels.</p> <p>Our unique HR5 test can empower your practice to join the conversation for the evolving field of Oral-Systemic Health.</p>

MEET THE PATHOGENS



Aa

Aggregatibacter actinomycetemcomitans

Primary cause of rapid alveolar bone loss in both children and adults, severe periodontitis and dental implant failure. Research studies have shown this pathogen increases risk for Cardiovascular Disease, Ischemic Stroke, Brain Abscesses, & Heart Infections.



Pg

Porphyromonas gingivalis

Primary cause of alveolar bone loss, periodontitis and implant failure. Research studies have shown this pathogen increases risk for Heart Attack, Ischemic Stroke, Type Two Diabetes, Dementia, Alzheimer's Disease, and other inflammatory diseases.



Td

Treponema denticola

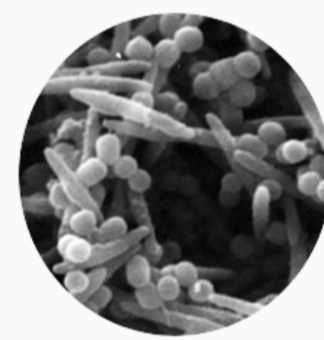
Primary cause of periodontitis and implant failure (peri-implantitis). Recent studies have also demonstrated its association with Dementia and Alzheimer's Disease.



Tf

Tannerella forsythia

Primary cause of periodontitis and implant failure (peri-implantitis). It's effect on other health issues is not as well known.



Fn

Fusobacterium nucleatum

Associated with periodontitis and implant failure. Among the systemic issues is that it has been associated with preterm birth, low birth weight babies, and fetal death. This pathogen tends to facilitate the movement of other oral pathogens into the circulatory system.

HR5™

HIGH RISK PATHOGEN TEST

1. Easy to describe, explain, and market to the patient
2. Order via our user-friendly online provider portal
3. Fast medical history checkbox
4. Collect 1ml of patient saliva
5. Place in sealed container
6. Schedule FedEx pick-up
7. Results in 2 days
8. Share results with patients [secure and HIPAA compliant]
9. Implement treatment plan
10. Retest to ensure success



- Patient medical history
- Accurate and easy to understand result ranges
- Key thresholds for optimal health
- Pathogen descriptions with medical relevance

FACTS

“80% of American adults over 35 have some form of Gum Disease.”



Source: AAOSH

INTERESTING READS

Below is a curated selection of research papers, journal articles, and other significant publications related to the HR5 pathogens and Oral-Systemic Health.



Direct Diagnostics Research Bibliography [Current]



Journal of Medical Microbiology [2021]



Bale, Doneen, & Vigerust [2016]

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