

KIT ID SAMPLE-PC-PERIO-DRIVEN	COLLECTION DATE 04/08/2026	CONFIRMATION NUMBER SAMPLE-PC-PERIO-DRIVEN	RESULTS 04/10/2026	STAGE N/A	GRADE N/A	BOP % N/A	ORDERING PROVIDER Sample Provider Sample Dental Practice
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WHAT IT MEASURES

qPCR detection of DNA from 8 key oral bacteria — the species most strongly associated with periodontal tissue destruction and dental caries.

HOW TO READ IT

The Periodontal Risk Score (1–5) and Caries Risk reflect microbial load and pathogen combinations. Patterns highlight synergistic risks.

HOW TO USE IT

Pair the focus areas with your clinical assessment to guide prevention, treatment, and retesting cadence.

PERIODONTAL RISK SCORE

4
/5

High Risk

HIGH RISK risk for periodontal disease based on the detection and pattern of key pathogens.

Periodontal Pressure Score (0–100) — continuous burden across the 6 core perio organisms.

CLINICAL FLAGS

Pg + Td co-detection

This combination is strongly associated with active periodontal disease.

Pg + Td Synergistic Pattern

PATTERN IDENTIFIED

Pg + Td co-detection. Strong indicator of active periodontal disease.

Pathogen	Level	Classification
Pg	11.0	Core Pathogen
Td	11.0	Core Pathogen
Tf	ND	Core Pathogen
Aa*	ND	Amplifier
Fa	ND	Amplifier
Fn-a	4.0	Bridge

*Aa uses different thresholds (≥4 mod, ≥8 high). Color reflects Aa-specific classification.

CARIES PATHOGENS

CARIES BACTERIA

Acid-producing bacteria associated with tooth decay.

S mut

Not Detected

S mutans

S sobr

Not Detected

S sobrinus

CARIES RISK

Minimal

No significant caries organisms detected.

CLINICAL FOCUS AREAS Perio 4/5 · 4 recommendations

Schedule periodontal evaluation within 30 days HIGH

Periodontal Risk Score is 4/5 (High Risk). Professional evaluation to assess pocket depths, bone levels, and tissue status within 30 days is recommended.

Target Pg and Td through professional treatment HIGH

P gingivalis (DL 11) and T denticola (DL 11) co-detected. This synergistic combination is strongly associated with active periodontal disease. Professional scaling, root planing, and antimicrobial therapy are recommended.

Retest in 60–90 days HIGH

Elevated risk profile. Active intervention is recommended. Retest within 60–90 days to track response to treatment and lifestyle changes.

Disrupt Fn-a biofilm bridging MOD

F nucleatum subsp animalis (DL 4) co-detected with 2 core pathogens. Fn-a facilitates biofilm maturation and pathogen persistence. Consistent mechanical disruption through professional cleaning and interdental care is recommended.

ⓘ Results should be interpreted with clinical findings and patient history. This test is not intended to diagnose or treat disease.

ORAL BACTERIA PROFILE | 04/10/2026

PERIODONTAL PATHOGENS

<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>CORE PERIO PATHOGENS</p> </div> <table style="width: 100%;"> <tr> <td style="text-align: center;"> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Pg</p> <p>11</p> <p>MODERATE</p> <p><i>P. gingivalis</i></p> </div> </td> <td style="text-align: center;"> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Td</p> <p>11</p> <p>MODERATE</p> <p><i>T. denticola</i></p> </div> </td> <td style="text-align: center;"> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Tf</p> <p>Not Detected</p> <p><i>T. forsythia</i></p> </div> </td> </tr> </table>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Pg</p> <p>11</p> <p>MODERATE</p> <p><i>P. gingivalis</i></p> </div>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Td</p> <p>11</p> <p>MODERATE</p> <p><i>T. denticola</i></p> </div>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Tf</p> <p>Not Detected</p> <p><i>T. forsythia</i></p> </div>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>AMPLIFIERS</p> </div> <table style="width: 100%;"> <tr> <td style="text-align: center;"> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Aa</p> <p>Not Detected</p> <p><i>A. actinomycete...</i></p> </div> </td> <td style="text-align: center;"> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Fa</p> <p>Not Detected</p> <p><i>F. alocis</i></p> </div> </td> </tr> </table>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Aa</p> <p>Not Detected</p> <p><i>A. actinomycete...</i></p> </div>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Fa</p> <p>Not Detected</p> <p><i>F. alocis</i></p> </div>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>BRIDGE</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Fn-a</p> <p>4</p> <p>LOW</p> <p><i>Fn-animals</i></p> </div>
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CARIES BACTERIA

<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>S mut</p> <p>Not Detected</p> <p><i>S. mutans</i></p> </div>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>S sobr</p> <p>Not Detected</p> <p><i>S. sobrinus</i></p> </div>
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UNDERSTANDING YOUR DETECTION LEVELS

DL = 40 - Ct · each +1 DL doubles DNA quantity

DL uses a log₂ scale — each +1 DL doubles the bacterial DNA quantity. So the gap between DL 10 and DL 14 isn't "4 more" — it's **16x more**. Use the ruler and table below to interpret a value in context.



Category	Organisms	Trace	Low	Moderate	High
Periodontal*	<i>Pg, Td, Tf, Aa**, Fa, Fn-a</i>	>0-<3	3-<10	10-<14	≥14
Caries	<i>S. mutans, S. sobrinus</i>	>0-<3	3-<6	6-<10	≥10
Fungal	<i>Candida spp.</i>	>0-<3	3-<4	4-<8	≥8
Protective	<i>S. salivarius/sanguinis/mitis, Rothia/Neisseria/Veillonella/Actinomyces narG</i>	>0-<3	3-<12	12-<18	≥18

* The ruler above shows the periodontal-category thresholds (DL 3/10/14). Other categories use different cutoffs (see table).

** Aa (*A. actinomycetemcomitans*) is pathogenic at much lower abundance: **Moderate ≥4, High ≥8**. Trace and Low ranges match the other periodontals.

Trace (DL < 3) is below the noise floor for individual risk scoring. All values are semi-quantitative.

This qPCR test was developed and its performance characteristics determined by IMMYLabs, 133 Ed Noble Pkwy, Norman, OK 73072 (CLIA# 37D2236199; COLA# 32679), validated per CLIA 42 U.S.C. § 263a. Not cleared/approved by FDA; clearance not currently required. Results are adjunctive and must be interpreted by a qualified healthcare provider with clinical findings and history. Not intended to diagnose or treat disease. **Periodontal Risk Score (1-5)**: Microbial risk pattern based on pathogen detection levels and combinations. **Caries Risk**: Based on *S. mutans* and *S. sobrinus* detection levels. All scores are semi-quantitative. **Lab Director**: Jeff McCormack, PhD, HCLD (ABB).

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