

KIT ID SAMPLE-PC-CARIES-DRIVEN	COLLECTION DATE 04/09/2026	CONFIRMATION NUMBER SAMPLE-PC-CARIES-DRIVEN	RESULTS 04/11/2026	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

1
/5

Low Risk

LOW 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

No significant clinical flags identified.

No Pathogens Detected

PATTERN IDENTIFIED

No periodontal pathogens detected. Continue routine monitoring.

Pg	Td	Tf	Aa*	Fa	Fn-a
ND	ND	ND	ND	ND	ND

*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

11

HIGH

S mutans

S sobr

8

MODERATE

S sobrinus

CARIES RISK

High

High-level caries organisms detected.

CLINICAL FOCUS AREAS Perio 1/5 · 2 recommendations

Treat high caries pathogen burden HIGH

S mutans detected at high levels (DL 11). Reduce dietary sugar frequency, apply fluoride varnish, use xylitol products, and consider antimicrobial caries protocol with S salivarius M18 probiotic.

Maintain practices — retest in 6 months ROUTINE

Microbiome is well balanced with no significant penalties. Continue current diet, oral hygiene, and probiotic regimen. Retest in 6 months.

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

ORAL BACTERIA PROFILE | 04/11/2026

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;"> Pg Not Detected <small><i>P. gingivalis</i></small> </td> <td style="text-align: center;"> Td Not Detected <small><i>T. denticola</i></small> </td> <td style="text-align: center;"> Tf Not Detected <small><i>T. forsythia</i></small> </td> </tr> </table>	Pg Not Detected <small><i>P. gingivalis</i></small>	Td Not Detected <small><i>T. denticola</i></small>	Tf Not Detected <small><i>T. forsythia</i></small>	<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;"> Aa Not Detected <small><i>A. actinomycetemcomitans</i></small> </td> <td style="text-align: center;"> Fa Not Detected <small><i>F. alocis</i></small> </td> </tr> </table>	Aa Not Detected <small><i>A. actinomycetemcomitans</i></small>	Fa Not Detected <small><i>F. alocis</i></small>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>BRIDGE</p> </div> <table style="width: 100%;"> <tr> <td style="text-align: center;"> Fn-a Not Detected <small><i>Fn-animals</i></small> </td> </tr> </table>	Fn-a Not Detected <small><i>Fn-animals</i></small>
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Fn-a Not Detected <small><i>Fn-animals</i></small>								

CARIES BACTERIA

S mut <div style="border: 2px solid orange; padding: 5px; width: 30px; margin: 0 auto;"> 11 HIGH </div> <small><i>S. mutans</i></small>	S sobr <div style="border: 2px solid orange; padding: 5px; width: 30px; margin: 0 auto;"> 8 MODERATE </div> <small><i>S. sobrinus</i></small>
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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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