

KIT ID SAMPLE-COMP-MIXED	COLLECTION DATE 03/22/2026	CONFIRMATION NUMBER SAMPLE-COMP-MIXED	RESULTS 03/24/2026	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 15 oral microorganisms — the species most strongly associated with periodontal disease, an additional set of bridging organisms, early colonizers, and Candida.

HOW TO READ IT

The Periodontal Risk Score (1–5) and Pressure Score (0–100) 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.

Category	Pathogen	Score
CORE PATHOGENS	Pg	12.0
	Td	11.0
	Tf	ND
AMPLIFIERS	Aa*	ND
	Fa	ND
BRIDGE	Fn-a	ND

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

ADDITIONAL MARKERS

ⓘ **REFERENCE DETECTION**
Reported for context — does not contribute to the PRS or Pattern classification.

Fn

11
MODERATE

Total **Fusobacterium nucleatum** is a commensal that can rise during inflammation but is not pathognomonic for periodontal disease on its own. The PRS and Pattern classification rely on the subspecies-level marker (Fn-a) shown in the chart above.

F. nucleatum

ECOLOGICAL PROFILE

Active Inflammatory Bridging

Multiple orange-complex bridging organisms detected. This pattern reflects an active inflammatory ecosystem favoring transition from gingivitis to periodontitis. Reinforce mechanical hygiene and consider adjunctive therapy aimed at biofilm disruption.

Ref. Socransky & Haffajee 1998 (J Clin Periodontol)

BRIDGING BURDEN SCORE

Weighted bridging-organism load — Pi · En · Cr · Pm · Pa · Fn.

Extended Organism Profile

BBS 63

Bridging organisms, early colonizers, and Candida — drives the Ecological Profile shown on the left.

Category	Organism	Score
BRIDGING	Pi	11.0
	En	ND
	Cr	11.0
	Pm	11.0
	Pa	9.0
EARLY COLONIZERS	Ec	11.0
	Cs	10.0
FUNGAL	Ca*	ND

*Ca uses different thresholds (≥6 mod, ≥12 high). Color reflects Ca-specific classification.

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 12) 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.

⚠️ **Red complex + bridging cluster — comprehensive therapy** HIGH

Core periodontal pathogen detected alongside 4 bridging species. Established disease pattern requiring full-mouth scaling and root planing, antibiotic adjunct (per algorithm below), and 6–12 week reassessment.

⚠️ **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.

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

ORAL BACTERIA PROFILE | 03/24/2026

PERIODONTAL PATHOGENS (DRIVING PRS + PATTERN)

CORE PERIO PATHOGENS	Pg 12 MODERATE <i>P. gingivalis</i>	Td 11 MODERATE <i>T. denticola</i>	Tf Not Detected <i>T. forsythia</i>	AMPLIFIERS	Aa Not Detected <i>A. actinomycete...</i>	Fa Not Detected <i>F. alocis</i>	BRIDGE	Fn-a Not Detected <i>Fn-animals</i>

ECOLOGICAL PROFILE ORGANISMS (DRIVING BBS + ECOLOGICAL PROFILE)

BRIDGING	Pi 11 MODERATE <i>P. intermedia</i>	En Not Detected <i>E. nodatum</i>	Cr 11 MODERATE <i>C. rectus</i>	Pm 11 MODERATE <i>P. micra</i>	Pa 9 LOW <i>P. anaerobius</i>	EARLY COLONIZERS	Ec 11 MODERATE <i>E. corrodens</i>	Cs 10 MODERATE <i>C. spp.</i>

FUNGAL	Ca Not Detected <i>C. spp.</i>	REFERENCE	Fn 11 MODERATE <i>F. nucleatum</i>

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.

DL 0 ≈ 5	DL 3 ≈ 40	DL 6 ≈ 317	DL 9 ≈ 3K	DL 12 ≈ 20K	DL 15 ≈ 161K	DL 18 ≈ 1.3M	DL 21 ≈ 10.2M	DL 24 ≈ 81.4M
Trace		Low		Moderate		High		

Category	Organisms	Trace	Low	Moderate	High
Periodontal Profile*	<i>Pg, Td, Tf, Aa**, Fa, Fn-a</i>	>0-<3	3-<10	10-<14	≥14
Ecological Profile*	<i>Pi, En, Cr, Pm, Pa, Ec, Cs, Fn</i>	>0-<3	3-<10	10-<14	≥14
Fungal	<i>Candida (Ca)</i>	>0-<3	3-<6	6-<12	≥12

* The DL ruler above shows the shared bacterial cutpoints (3/10/14) — the Core Perio and Ecological Profile rows use the same thresholds. Fungal (Ca) uses different thresholds (see table).

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

Total *F. nucleatum* (Fn) shares the bacterial cutpoints above but is reported as a Reference Detection — it does not contribute to the PRS, Pattern, or BBS scoring (see page 2).

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 across the 6 core perio organisms (Aa, Pg, Td, Tf, Fa, Fn-a). **Periodontal Pressure Score (0-100)**: Continuous weighted burden across the same 6 organisms, complementing the 1-5 PRS. **Bridging Burden Score (0-100) + Ecological Profile**: Weighted load across the bridging organisms (Pi, En, Cr, Pm, Pa, Fn) paired with a literature-grounded pattern catalog spanning bridging, early colonizers, and Candida. All scores are semi-quantitative. **Lab Director**: Jeff McCormack, PhD, HCLD (ABB).

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