

FINAL REPORT

PERIO

Sample Type: Saliva

Reported: 2025-05-20T16:20

PATIENT INFO

Jane Doe
DOB: 09/20/1980 (40 yrs)
Sex: Female

SAMPLE INFO

Specimen#: FR0000000000
Collected: 03/15/2024
Received: 03/20/2024 09:57

ORDERING PROVIDER

Glenn Close, MD
NPI: 000000000
Phone: 800-555-5555

Low

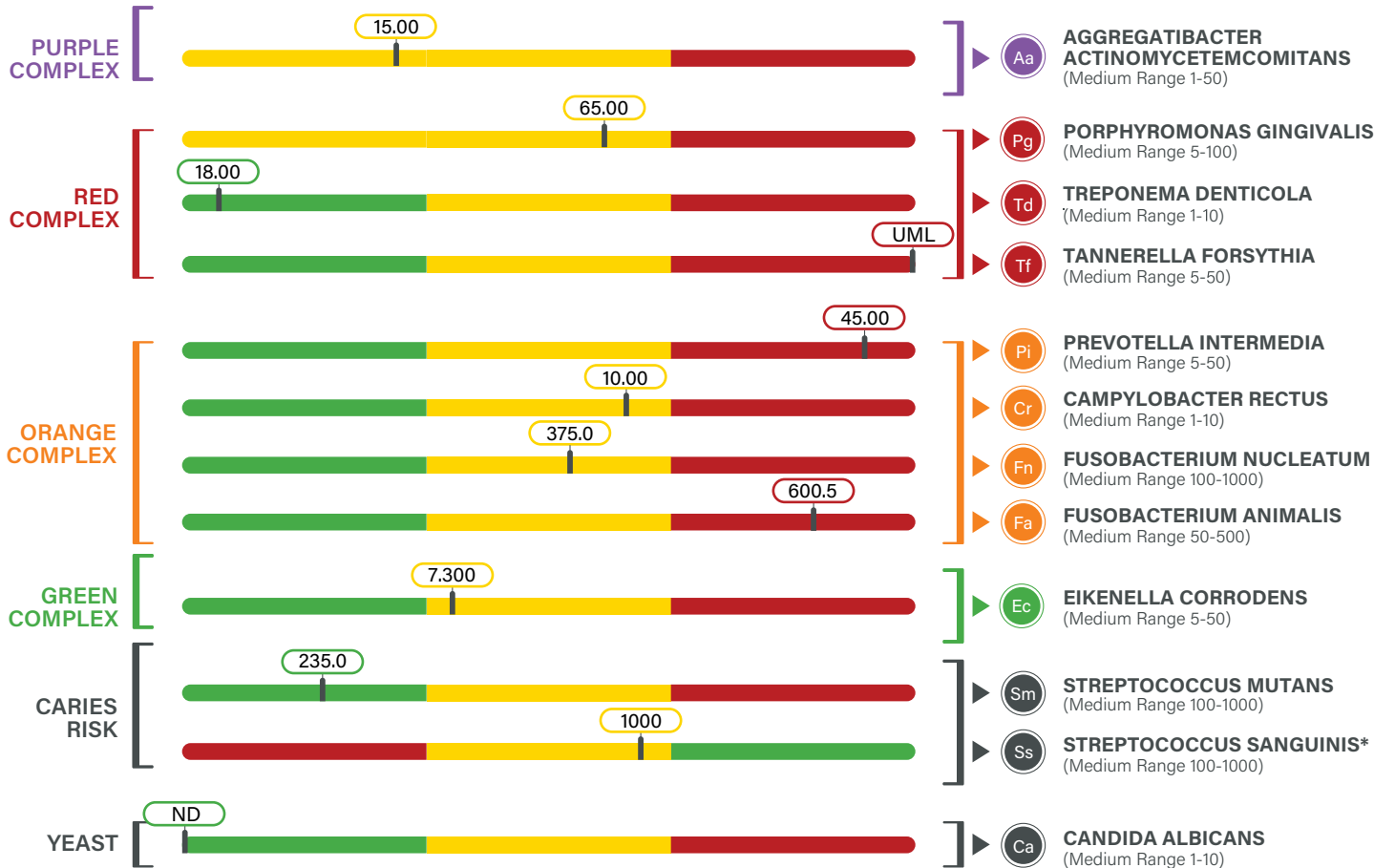
Medium

High

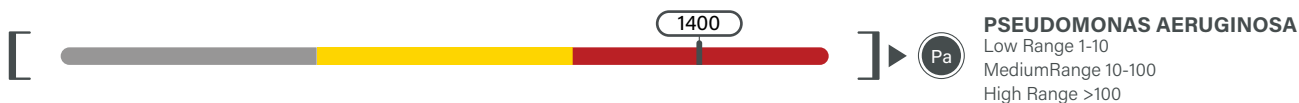


NON-VIRAL TARGETS

All displayed values are in genomic copies x1000/mL except Fusobacterium nucleatum which is in genomic copies x10,000/mL.



PERI-IMPLANTITIS RISK



*The presence of Streptococcus Sanguinis is associated with healthy plaque biofilm.

Reference bar ranges have been normalized for clarity. ND = Not Detected UML = Upper Measuring Limit (>9999).

POSITIVE	NEGATIVE	ATTENTION	VIRAL TARGETS
	☒		HERPES SIMPLEX VIRUS 1 (HSV-1)
	☒		HERPES SIMPLEX VIRUS 2 (HSV-2)
	☒		CYTOMEGALOVIRUS
	☒		EPSTEIN BARR VIRUS


COMMENTS + ACTIONABLE CLINICAL INSIGHTS
[Lab supervisor/manager comment field]

If the results indicate the presence of any high (Aa, Pg, Td, Tf) and/or medium (Cr, Fn, Pi) risk organisms, these organisms are strongly associated with chronic periodontitis, are transmissible and associated with tissue inflammation and invasion.

Bacteria associated with periodontal disease are predominantly gram-negative anaerobic bacteria and may include *A.actinomycescomitans*, *F. nucleatum*, *P. gingivalis*, *C. rectus*, *Treponema species*. These anaerobic organisms are often found together in polymicrobial biofilms and dental plaque.

Several of these organisms are known to be associated with systemic diseases such as cardiovascular disease, cancer, diabetes, liver disease and stroke. The American Heart Association as well as copious research suggests a causal relationship between periodontal disease and atherosclerosis.

Adherence to a home regimen as directed by healthcare provider and follow up testing is highly recommended to better treat and address residual bacteria. In addition to monitoring of bacterial burden, repeat testing can afford insight on efficacy of treatment.

REFERENCES

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- Bale BF, Doneen AL, Vigerust DJ. *Postgrad Med J* 2017;93:215–220.
- Da Venezia, C.; Hussein, N.; Hernández, M.; Contreras, J.; Morales, A.; Valdés, M.; Rojas, F.; Matamala, L.; Hernández-Ríos, P. Assessment of Cardiovascular Risk in Women with Periodontal Diseases According to C-reactive Protein Levels. *Biomolecules* 2021, 11, 1238.
- Yoneda et al. *BMC Gastroenterology* 2012, 12:16 <http://www.biomedcentral.com/1471-230X/12/16>
- Porphyromonas gingivalis* in Alzheimer's disease brains: Evidence for disease causation and treatment with small-molecule inhibitors. *Sci. Adv.* 5, eaau3333 (2019). DOI:10.1126/sciadv.aau3333

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