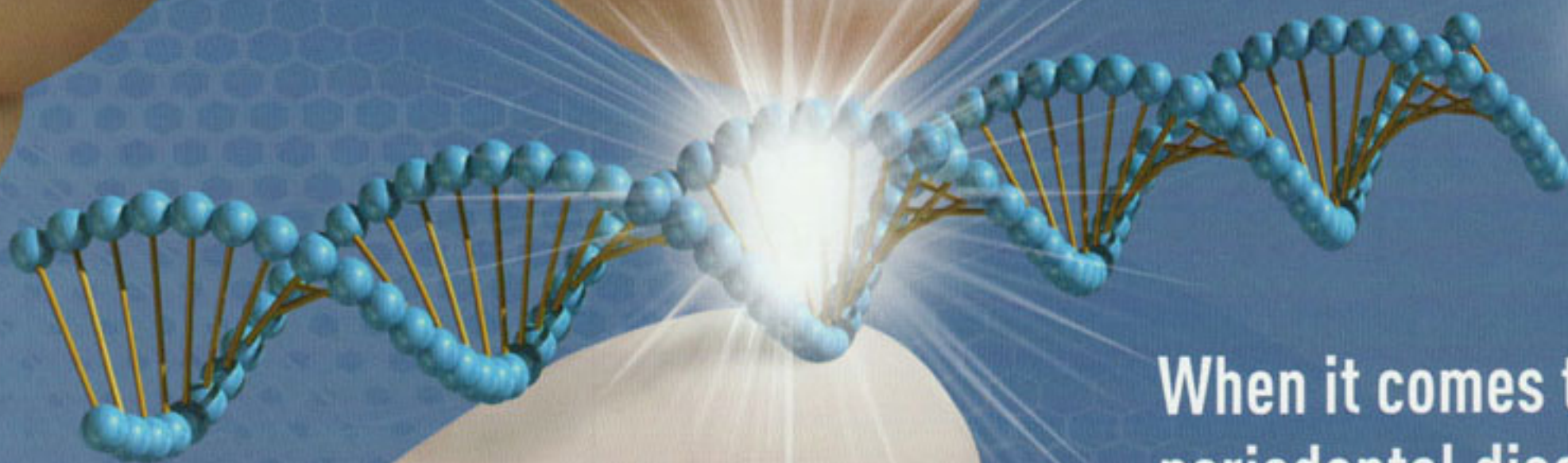




ORALDNA[®] LABS
Innovations in Salivary Diagnostics
A Quest Diagnostics[®] Company



When it comes to
periodontal disease...

Test, Don't Guess

MyPerioID[®] PST[®]

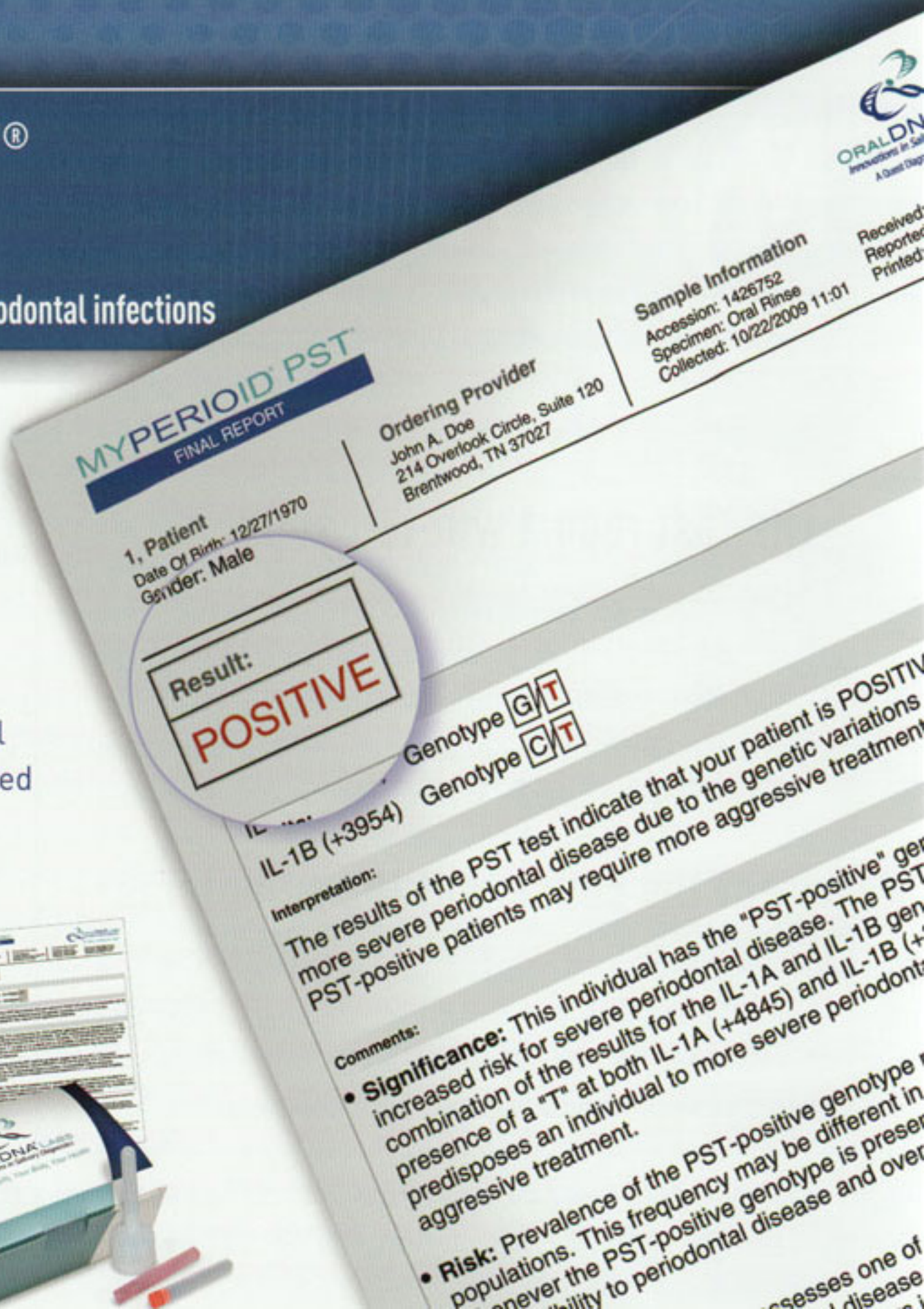
Salivary DNA test that determines increased risk for severe periodontal infections

The test report will tell you:

- Which patients are at increased risk for more severe periodontal infections due to an exaggerated immune response

Personalize therapy by:

- Establishing which patients are at risk before clinical signs and symptoms appear, and providing customized periodontal therapy considerations
- Determining which patients may require more aggressive treatment
- Optimizing preventive recare appointments



MYPERIODID® PST®
FINAL REPORT



Doe, John A.

Date Of Birth: 00/00/0000
Gender: Male

Ordering Provider

John A. Doe
214 Overlook Circle, Suite 120
Brentwood, TN 37027

Sample Information

Accession: 00000000
Specimen: Oral Rinse
Collected: 00/00/0000

Received: 00/00/0000 00:00
Reported: 00/00/0000 00:00
Printed: 00/00/0000 00:00

Result:

POSITIVE

Results:

IL-1A (+4845) Genotype **G/T**

IL-1B (+3954) Genotype **C/T**

Interpretation:

The results of the PST test indicate that your patient is **POSITIVE** and has an increased risk for more severe periodontal disease due to the genetic variations examined in this test. PST-positive patients may require more aggressive treatment.

Comments:

- **Significance:** This individual has the "PST-positive" genotype and is therefore at a 3-7 fold increased risk for severe periodontal disease. The PST composite genotype is based on the combination of the results for the IL-1A and IL-1B genes. Any combination that includes the presence of a "T" at both IL-1A (+4845) and IL-1B (+3954) is defined as PST-positive and predisposes an individual to more severe periodontal disease which may require more aggressive treatment.
- **Risk:** Prevalence of the PST-positive genotype ranges from 30 to 40% in Caucasian populations. This frequency may be different in other ethnic groups. It is important to note that whenever the PST-positive genotype is present, it is associated with an increased susceptibility to periodontal disease and overproduction of IL-1, a cytokine that amplifies inflammation.
- **Consider:** The PST test assesses one of several risk factors that should be included in an overall evaluation of periodontal disease. Specific bacteria are associated with the initiation of the disease, and additional risk factors including genetic susceptibility, smoking, diabetes, and oral hygiene have an amplifying effect on periodontal disease progression.