



PST® Genetic Test: Susceptibility to Periodontal Disease

The PST Genetic Test identifies patients genetically predisposed to severe periodontal disease. Early detection of patients at increased risk facilitates prevention/early intervention efforts. For those patients already affected with periodontal disease, the PST Genetic Test assists a clinician in creating a personalized treatment plan. The information gained from this test can be useful for all dental professionals and their patients.

The PST Genetic Test detects specific variations in the interleukin-1A and interleukin-1B genes. The presence of these variations (a PST-positive result) increases the risk for periodontal disease 3 to 7-fold and for tooth loss 3-fold. The combination of a PST-positive test result and smoking leads to an even greater likelihood for severe periodontal disease and early tooth loss.

Indications for Testing:

- Overall risk assessment for all patients
- Early clinical signs of periodontitis
- Chronic or progressive periodontitis
- Prior to advanced surgical or complex restorative procedures (including implant placement)
- Family history of PST-positive individual(s)
- Family history of periodontal disease
- Adult orthodontic treatment

Our PST Genetic Test Service Provides:

- Easy collection and mailing of cheek cell samples (free kits provided)
- DNA analysis for variations in the interleukin-1 genes
- Rapid (1-2 day) turnaround time
- Detailed reports with explanation of results, recommendations, and education
- Genetic consultation by board-certified genetic counselors and geneticists

Specimen Requirements:

- Cheek cell sample, room temperature (please call for kits)
- Send at room temperature by U.S. mail. Specimens are stable for several days

Turnaround Time:

- 1 business day

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Please call Kimball Genetics for more information.

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