

PROMETHEUS[®] Celiac Genetics

Cat. # 6201

Product Description

PROMETHEUS[®] Celiac Genetics analyzes a patient's genetic profile for genes specifically associated with celiac disease. Advanced high-resolution DNA probe analysis of HLA-DQ haplotypes allow for disease risk stratification depending upon which HLA genes are detected. Also, testing can predict with a 95% to 100% negative predictive value (NPV) that the patient will not develop celiac disease if HLA-DQ2 and HLA-DQ8 haplotypes are not present.

- An evaluation of genetic markers HLA-DQ2/DQ8 associated with celiac disease to assist physicians with risk assessment.
- PROMETHEUS Celiac genetics risk stratification^a is only offered at Prometheus.
- **Specimen Requirements** - Whole blood, 5.0 mL: EDTA / Lavender Top Tube.
- **Shipping and Handling** - Ambient or refrigerated.
- **Storage Conditions/Stability** - 7 days ambient; 30 days refrigerated.
- **Turn Around Time** - 3 business days from date of receipt.
- **Reference Range** - HLA-DQ2/DQ8: Not Detected (Allele frequency varies by ethnic population)

Facilities Description

- Prometheus is located in San Diego, CA. **Tax ID#** 33-0685754 **NPI#** 1073642641.
- Licensed in several states including New York and California.
- Prometheus Laboratories Inc. is CLIA certified and accredited by the College of American Pathologists. This test was developed and its performance characteristics determined by Prometheus Laboratories Inc. It has not been cleared or approved by the U.S. Food and Drug Administration.

CPT Codes (as applied by Prometheus)

- **83891**, Isolation or extraction of highly purified nucleic acid
- **83900(X2)**, Amplification of patient nucleic acid, multiplex, first two nucleic acid sequences for DQA1 & DQB1
- **83896(X72)**, Nucleic acid probes, DQA1 and DQB1
- **83912**, Interpretation and report

Literature References

- *Fasano A, Berti I, Gerarduzzi T, et al. Prevalence of celiac disease in at-risk and not-at-risk groups in the United States. Arch Intern Med. 2003;163:286-292.*
- *Green PHR, Jabri B. Coeliac disease. Lancet. 2003;362(9381):383-391.*
- *Kaukinen K, et al. HLA-DQ typing in the diagnosis of celiac disease. Am J Gastroenterol. 2002;97(3):695-699.*
- *Pietzak M, Schofield T. HLA-DQ2 homozygotes are associated with a 31-fold increased risk of EMA positivity in a large sample of sera (n-4152) from patients at risk for celiac disease [DDW abstract]. Gastroenterology. 2007;132(7):2585.*