

PROMETHEUS® LactoTYPE® Cat. #6100

Product Description

PROMETHEUS® LactoTYPE® is a genetics test to identify genetic variant C/T₋₁₃₉₁₀ which is highly associated with adult-type hypolactasia. Testing assists physicians with stratifying patients with suspected lactose intolerance into those with a genetic predisposition and those whose underlying cause may be due to other disease potentially requiring further diagnostic workup.

- An evaluation of genetic variant C/T₋₁₃₉₁₀ associated with lactase non-persistence in adults.
- PROMETHEUS LactoTYPE is only offered at Prometheus.
- Patent Pending.
- **Specimen Requirements** - Whole blood, 5.0 mL: EDTA / Lavender Top Tube.
- **Shipping and Handling** - Ambient or refrigerated.
- **Storage Conditions/Stability** - 8 days ambient; 30 days refrigerated.
- **Turn Around Time** - 7 business days from date of receipt.
- **Reference Range** - The hypolactasia genetic variant C/T₋₁₃₉₁₀ is 14kb upstream from the LCT locus on chromosome 2. The C/C variant is associated with lactase non-persistence (predisposition to lactose intolerance) in adults due to a defect in the expression of the LPH enzyme. T/T and C/T genotypes are associated with lactase persistence.

Facilities Description

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. Prometheus Laboratories Inc. is a CAP-accredited CLIA laboratory.

CPT Codes (as applied by Prometheus)

- **83907**, Lysis of cells prior to nucleic acid extraction
- **83896(X2)**, Nucleic acid probe
- **83898**, Amplification of patient nucleic acid
- **83912**, Interpretation and report

Literature References

- Enattah NS, Sahi T, Savilahti E, et al. Identification of a variant associated with adult-type hypolactasia. *Nat Genet.* 2002;30(2):233-7.