MTHFR C677T & MTHFR A1298C

New Test Announcement

AVAILABLE MONDAY, 4/18/22

Effective Monday, April 18, 2022, **Vitalant Coagulation Laboratory** is once again offering MTHFR C677T and MTHFR A1298C testing.

Please note that we have made a change to the methodology: DNA analysis for variants in the Methylenetetrahydrofolate reductase gene (MTHFR) is performed by a PCR reaction coupled with the binding of a probe to homologous sequence, otherwise known as TaqMan SNP Genotyping technology. Two probes are present in the reaction, each conjugated to a different fluorophore: one binds the reference allele and surrounding sequence with high affinity and one binds the variant allele and surrounding sequence with high affinity. Probe bound to the template sequence is cleaved during amplification, which emits fluorescent signal. Fluorescent signals are quantified in a PCR well to determine the genotype of an individual at a specific nucleotide.

Specimen Requirements: Peripheral blood in yellow top (ACD), purple top (EDTA), or blue-top (3.2% sodium citrate) tubes stored and transported at room temperature or with refrigeration. Samples should be received within 96 hours of draw.

Test Code:

557X – MTHFR C677T
557Y – MTHFR A1298C

CPT Code: 81291 for each test

Inquiries concerning results or genetic testing can be made by calling 412-209-7270 or by contacting us on our website (https://diagnostics.vitalant.org/Coagulation-Lab/Contact-Us.aspx).

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