



Norman Regional
LABORATORY SERVICES

To: Medical Staff and Laboratory Clients

From: Eric Thompson, M.D.

Subject: *Effective 3/1/2021 MTHFR - 5,10-Methylenetetrahydrofolate Reductase (MTHFR) C677T, Mutation will no longer be available*

Date: 2/25/2021

On 10/29/2020 Mayo discontinued offering the MTHFR testing with this explanation:

This test will become obsolete due to the lack of predictive value for venous thromboembolism (VTE) or adverse pregnancy outcomes. Testing recommendations for MTHFR mutations have evolved and the American College of Medical Genetics (ACMG) and American College of Obstetricians and Gynecologists (ACOG) recommend against testing.

Mayo has no recommended alternative tests.

Supporting references:

1. ACMG Practice Guideline: lack of evidence for MTHFR polymorphism testing. ACMG Practice Guideline in Genetics in Medicine 2013; 15:153-156
2. ACOG Practice Bulletin Summary. Obstetrics & Gynecology 2018; 132: 249-251

On 10/29/20, as an alternative and to accommodate physician request, we moved the test back to RML lab.

Effective 3/1/2021 RML will no longer offer the MTHFR testing. RML's vendor is no longer manufacturing the test kits.

RML recommends homocysteine testing as an alternative to MTHFR.

Our pathologist have determined that we will follow recommendations from American College of Medical Genetics (ACMG) and American College of Obstetricians and Gynecologists (ACOG) and not offer the MTHFR test or seek out another referral lab for testing.

For further information and/or any technical questions, please call the Laboratory (405-307-1100), Pathology (405-307-1141) or Technical Coordinator for Reference and Referral Lab Testing (405-307-1186).