

Patient ID SA00169097	Patient Name TESTINGRNV, SAMPLEREPORT	Birth Date 1982-06-29	Sex F	Age 41
Order Number SA00169097	Client Order Number SA00169097	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 26 Jun 2024 08:00		

TPMT Activity Profile, RBC

Interpretation

1 MCR

Heterozygote In this whole blood sample, the profile of activity of thiopurine methyltransferase (TPMT) using three different substrates showed low activity with at least one substrate. This profile is indicative of carrier status for TPMT deficiency with an underlying risk for toxicity to thiopurine drugs (for example, 6-mercaptopurine, 6-thioguanine, and azathioprine). Patients with reduced TPMT activity may still be treated with thiopurine drugs with fewer adverse effects by reducing the initial dose. Please contact the Biochemical Genetics consultant or genetic counselor on call (1-800-533-1710) if you have any questions.

ADDITIONAL INFORMATION

Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)

6-Methylmercaptopurine

MCR

 **1.90 nmol/mL/h**
Low

Reference Value
3.00–6.66

6-Methylmercaptopurine riboside

MCR

 **4.51 nmol/mL/h**
Low

Reference Value
5.04–9.57

6-Methylthioguanine riboside

MCR

 **1.66 nmol/mL/h**
Low

Reference Value
2.70–5.84

Reviewed By

Amy Breitlow

MCR

Received: 27 Jun 2024 08:48

Reported: 27 Jun 2024 09:00

Laboratory Notes

- 1 This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	Nikola Baumann Ph.D.	24D0404292

Report Status: Final