MAYO CLINIC LABORATORIES

Test Definition: FMERC

Mercaptopurine (6-MP, Purinethol)

Overview

Method Name
High Performance Liquid Chromatography with Ultraviolet Detection (HPLC-UV)

NY State Available
Yes

Specimen

Specimen Type
Varies

Specimen Required
Submit only 1 of the following specimens:

Plasma
Draw blood in a green-top (sodium heparin) tube(s), **plasma gel tube is not acceptable.** Spin down and send 2 mL sodium heparin plasma refrigerated in a plastic vial.

Serum
Draw blood in a plain, red-top tube(s), **serum gel tube is not acceptable.** Spin down and send 2 mL of serum refrigerated in a plastic vial.

Specimen Minimum Volume
0.3 mL

Reject Due To

Hemolysis	NA
Lipemia	NA
Icterus	NA
Other	NA

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Varies	Refrigerated (preferred)	7 days	
	Ambient	72 hours	
	Frozen	180 days	

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Clinical & Interpretive

Reference Values

Units: ng/mL

Mercaptopurine may be administered as an antineoplastic or may be present as a metabolite of the immunosuppressant drug azathioprine. Therapeutic and toxic ranges have not been established. Usual therapeutic doses of either mercaptopurine or azathioprine produce 6-mercaptopurine serum concentrations of less than 1000 ng/mL.

Performance

PDF Report

No

Day(s) Performed

Monday through Sunday

Report Available

5 to 9 days

Specimen Retention Time

2 weeks

Performing Laboratory Location

Medtox Laboratories, Inc.

Fees & Codes

Fees

- Authorized users can sign in to Test Prices for detailed fee information.
- Clients without access to Test Prices can contact Customer Service 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact Customer Service.

CPT Code Information

80299

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FMERC	Mercaptopurine (6-MP, Purinethol)	11242-5

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Result ID	Test Result Name	Result LOINC® Value
Z1190	6-Mercaptopurine	11242-5