MAYO CLINIC LABORATORIES

Test Definition: FRIFA

Rifampin Level (PKRIF)

Overview

Method Name
HPLC

NY State Available
No

Specimen

Specimen Type
Serum

Specimen Required
Container/Tube: Red Top
Preferred: Red top tube
Acceptable: Serum gel tube
Specimen Volume: 2 mL
Collection Instructions: Draw blood in a plain, red-top tube(s). Separate serum from cells immediately by centrifugation and aliquot into a polypropylene or similar plastic tube. Send 2 mL of serum frozen in plastic vial.
Note:
1. The following information is required:
    A. Specimen Type (source)
    B. Dose (specify PO, IV, IM)
    C. Date and time of last dose (for IV start/end time)

2. If the time of last dose and the blood draw are not accurately recorded, accurate interpretation of the concentration is not possible.

Specimen Minimum Volume
0.5 mL

Reject Due To

Hemolysis	Mild OK; Gross reject
Lipemia	NA
Icterus	NA
Other	Samples thawed greater than 6 hours.

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Serum	Frozen	365 days	

Clinical & Interpretive

Reference Values

mcg/mL

Interpretation

The target range for mycobacterial infections is 8 to 24 mcg/mL 2 hours after oral dose or 2 hours after the end of intravenous infusion. Samples drawn later than 2 hours after the dose will often display concentrations below the stated range.

Rifampin generally should be given as a single daily dose. If the patient is receiving 2 small daily doses, consider combining the doses and rechecking the concentration.

Rifampin absorption may be reduced by food. Take on an empty stomach if possible.

Rifampin does not have clear concentration-related toxicity and most patients tolerate concentrations above the stated range without difficulty.

Hepatic dysfunction may produce elevated rifampin concentrations. Rifampin concentrations greater than 50% above the range may warrant a dose reduction of 150 to 300 mg.

If the time of the dose and the blood draw were not accurately recorded, accurate interpretation of the concentration is not possible.

Performance

PDF Report

No

Day(s) Performed

Monday through Friday

Report Available

10 to 14 days

Performing Laboratory Location

National Jewish Health

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.

Test Classification

The performance characteristics for this test have been validated by Advanced Diagnostic Laboratories at National Jewish Health. It has not been cleared or approved by the US Food and Drug Administration. The results are not intended to be used as the sole means for clinical diagnosis or patient management decisions. This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA 88) as qualified to perform high complexity clinical laboratory testing.

CPT Code Information

80299

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FRIFA	Rifampin Level	Not Provided

Result ID	Test Result Name	Result LOINC® Value
Z5803	Dose	Not Provided
Z5804	Date and Time of Last Dose	Not Provided
Z5778	Rifampin Level	4021-2
Z5840	Comment:	Not Provided
Z5865	Specimen Type:	Not Provided