MAYO CLINIC LABORATORIES

Test Definition: FPOLO

Poliovirus (Types 1, 3) Antibodies, Neutralization

Overview

Method Name
Culture/Neutralization

NY State Available
Yes

Specimen

Specimen Type
Serum

Specimen Required
Specimen Type: Serum
Collection Container/Tube:
Preferred: Red top
Acceptable: Serum gel
Submission Container/Tube: Plastic vial
Specimen Volume: 1 mL
Collection Instructions:
1. Centrifuge and aliquot 1 mL of serum into a plastic vial.
2. Ship refrigerated.

Specimen Minimum Volume
0.5 mL

Reject Due To
All specimens will be evaluated at the performing laboratory for test suitability.

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	14 days	
	Ambient	5 days	
	Frozen	30 days	

Clinical & Interpretive

Clinical Information

This sensitive procedure is recommended for vaccine response testing and type-specific serodiagnosis of recent poliovirus infection. It can also serve as an aid for diagnosing immune deficiency disorders.

Reference Values

Polio 1 Titer: <1:8
Polio 3 Titer: <1:8

Interpretation

The presence of neutralizing serum antibodies (titers 1:8 up to >1:128) against polioviruses implies lifelong immunity. Some persons without detectable titers (<1:8) may also be immune as demonstrated by elicitation of a secondary-type serum antibody response upon rechallenge with live polio vaccine.

Performance

PDF Report

No

Day(s) Performed

Monday and Thursday

Report Available

1 to 10 days

Performing Laboratory Location

Quest Diagnostics

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

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

CPT Code Information

86382 x 2

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LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FPOLO	Poliovirus (Types 1, 3) Ab, Neut	68320-1

Result ID	Test Result Name	Result LOINC® Value
Z4806	Polio 1 Titer	22446-9
Z4807	Polio 3 Titer	22450-1