MAYO CLINIC LABORATORIES

Test Definition: A1R

A1 Antigen Subtype, Blood

Overview

Useful For

Additional proof of alloantibody specificity

Assessment of solid organ transplantation donor compatibility

This test is **not useful** for the purpose of establishing paternity.

Method Name

Hemagglutination

NY State Available

Yes

Specimen

Specimen Type

Whole Blood EDTA

Shipping Instructions

Specimen must arrive within 7 days of collection

Specimen Required

Container/Tube: Pink top (EDTA)
Specimen Volume: 6 mL
Pediatric Volume: 2 mL blood in 6 mL pink-top (EDTA) tube
Collection Instructions: Send whole blood specimen in original tube. **Do not aliquot.**

Specimen Minimum Volume

See Specimen Required

Reject Due To

Gross hemolysis	OK

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Whole Blood EDTA	Refrigerated (preferred)	7 days	

	Ambient	72 hours	

Clinical & Interpretive

Clinical Information

The presence or absence of a cellular antigen is an inherited trait. Generally, individuals will not make antibody directed against an antigen present on their own red blood cells.

Reference Values

Reported as Negative or Positive

Interpretation

The A1 antigen type will be resulted as "pos," indicating that the antigen is present, or "neg," indicating that the antigen is absent.

Cautions

No significant cautionary statements

Clinical Reference

Cohn CS, Delaney M, Johnson ST, Katz LM, Schwartz J, eds. Technical Manual. 21st ed. AABB; 2023

Performance

Method Description

Agglutination of red blood cells with an antiserum represents the presence of the corresponding antigen in the red blood cells.(Cohn CS, Delaney M, Johnson ST, Katz LM, Schwartz J, eds. Technical Manual. 21st ed. AABB; 2023)

PDF Report

No

Day(s) Performed

Monday through Friday, Sunday

Report Available

1 to 5 days

Specimen Retention Time

14 days

Performing Laboratory Location

Mayo Clinic Laboratories - Rochester Main Campus

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 has been cleared, approved, or is exempt by the US Food and Drug Administration and is used per manufacturer's instructions. Performance characteristics were verified by Mayo Clinic in a manner consistent with CLIA requirements.

CPT Code Information

86905

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
A1R	A1 antigen subtype	844-1

Result ID	Test Result Name	Result LOINC® Value
A1R	A1 antigen subtype	844-1