

Overview

Useful For

Determining blood group ABO and Rh only

Reflex Tests

| Test Id | Reporting Name               | Available Separately | Always Performed |
|---------|------------------------------|----------------------|------------------|
| ABIDR   | Antibody Identification, RBC | Yes                  | No               |
| ABOPR   | ABORh Problem RBC            | No                   | No               |

Testing Algorithm

Includes identification of ABO and Rh blood group antigens. If indicated, antibody identification will be performed. If ABO/Rh discrepancy is detected, the ABO/Rh problem test may be ordered to result the final ABO/Rh interpretation.

Method Name

Hemagglutination

NY State Available

No

Specimen

Specimen Type

Whole Blood EDTA

Specimen Required

Container/Tube: Pink top (EDTA)

Specimen Volume: 6 mL

Collection Instructions:

1. Invert several times to mix blood.
2. Send whole blood specimen in original tube. **Do not aliquot.**

**Additional Information:** Blood for this test cannot be shared with other tests. Submit specimen for this test in its own vial.

Forms

If not ordering electronically, complete, print, and send a [Kidney Transplant Test Request](#) with the specimen.

Specimen Minimum Volume

3 mL

Reject Due To

|                 |        |
|-----------------|--------|
| Gross hemolysis | Reject |
|-----------------|--------|

Specimen Stability Information

| Specimen Type    | Temperature              | Time    | Special Container |
|------------------|--------------------------|---------|-------------------|
| Whole Blood EDTA | Refrigerated (preferred) | 10 days |                   |
|                  | Ambient                  | 4 days  |                   |

Clinical & Interpretive

Clinical Information

This ABO and Rh blood typing test identifies the presence of specific red cell antigens and antibodies to determine the ABO/Rh type.

Reference Values

ABO and Rh blood group antigens identified

Interpretation

Standard ABO/Rh type will be reported. Routine types include: O pos, O neg, A pos, A neg, B pos, B neg, AB pos and AB neg. Any relevant discrepancies will be noted.

Cautions

Clinical evaluation of antibodies identified is necessary to determine their potential for harm to the patient at this time and to assess appropriate action to be taken in the future.

Clinical Reference

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

Performance

Method Description

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

PDF Report

No

Day(s) Performed

Monday through Sunday

**Report Available**  
Same day/1 to 2 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**  
86900-ABO  
86901-Rh

LOINC® Information

| Test ID | Test Order Name | Order LOINC® Value |
|---------|-----------------|--------------------|
| ABOMR   | ABORh, RBC      | 882-1              |

| Result ID | Test Result Name | Result LOINC® Value |
|-----------|------------------|---------------------|
| ABOMR     | ABORh, RBC       | 882-1               |