

Overview

Method Name

Kinetic Spectrophotometry

NY State Available

No

Specimen

Specimen Type

Whole Blood EDTA

Specimen Required

Specimen Type: Whole Blood

Container/Tube: Lavender top (EDTA)

Specimen Volume: 1 mL

Collection Instructions: Draw blood in a lavender-top (EDTA), or green-top (sodium or lithium heparin) tube(s). Send 1 mL EDTA or Sodium or Lithium heparin whole blood refrigerate.

Specimen Minimum Volume

0.5 mL

Reject Due To

|           |        |
|-----------|--------|
| Hemolysis | Reject |
| Lipemia   | NA     |
| Icterus   | NA     |
| Other     | NA     |

Specimen Stability Information

| Specimen Type    | Temperature              | Time    | Special Container |
|------------------|--------------------------|---------|-------------------|
| Whole Blood EDTA | Refrigerated (preferred) | 15 days |                   |
|                  | Ambient                  | 15 days |                   |

Clinical & Interpretive

Reference Values

400 - 900 mU/g Hb

Interpretation

Adenosine Deaminase (ADA) deficiency is an autosomal recessive disorder of purine metabolism primarily affecting lymphocyte development, viability, and function.

Affected individuals have less than 1 percent of normal ADA catalytic activity in red cell hemolysates. ADA deficiency is the cause of 20-30 percent of SCID cases. If the patient has been recently transfused, ADA deficiency may be masked; interpret results with caution. Heterozygotes cannot be identified by this test.

Performance

PDF Report

No

Day(s) Performed

Sunday, Tuesday, Thursday

Report Available

1 to 7 days

Performing Laboratory Location

ARUP Laboratories

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 performance characteristics determined by ARUP Laboratories. The U.S. Food and Drug Administration has not approved or cleared this test; however, FDA clearance or approval is not currently required for clinical use. The results are not intended to be used as the sole means for clinical diagnosis or patient management decisions.

CPT Code Information

84311

LOINC® Information

| Test ID | Test Order Name         | Order LOINC® Value |
|---------|-------------------------|--------------------|
| FADBC   | Adenosine Deaminase RBC | 47549-1            |

| Result ID | Test Result Name        | Result LOINC® Value |
|-----------|-------------------------|---------------------|
| FADBC     | Adenosine Deaminase RBC | 47549-1             |