

## 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