Test Definition: FADBC

Adenosine Deaminase RBC

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 and 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) and Time(s) Test Performed

Sunday, Tuesday, Thursday

Analytic Time

1 - 4 days

Maximum Laboratory Time

3 - 7 days

Performing Laboratory Location

ARUP Laboratories

Fees and 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 Regional Manager. 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