MAYO CLINIC LABORATORIES

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.

Reject Due To

Hemolysis	Reject
Lipemia	NA
Icterus	NA
Other	NA

Specimen Minimum Volume
0.5 mL

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

Performing Laboratory Location
ARUP Laboratories

Fees & Codes

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

Test Definition: FADBC

Adenosine Deaminase RBC

Result ID	Reporting Name	LOINC®
FADBC	Adenosine Deaminase RBC	47549-1