

Alpha-L-Iduronidase, Blood Spot

Test ID: IDSBS

Explanation:

This test will be replaced by IDUAW.

Recommended Alternative Test:

Alpha-L-Iduronidase, Leukocytes

Test ID: IDUAW

Useful for:

Diagnosis of mucopolysaccharidosis I, Hurler, Scheie, and Hurler-Scheie syndromes in leukocytes

Methodology:

Flow Injection Analysis-Tandem Mass Spectrometry (FIA-MS/MS)

Reference Values:

> or = 2.06 nmol/hour/mg protein

An interpretive report will be provided.

Specimen Requirements:

Preferred: Yellow top (ACD solution B)

Acceptable: Yellow top (ACD solution A) or lavender top (EDTA)

Specimen Volume: 6 mL

Collection Instructions: Send specimen in original tube. Do not transfer

Minimum Volume: 2 mL

Note: For optimal isolation of leukocytes, it is recommended the specimen arrive refrigerate within 72 hours of draw to be stabilized. Draw specimen Monday through Thursday only and not the day before a holiday. Specimen should be drawn and packaged as close to shipping time as possible.

Specimen Stability Information:

Specimen Type	Temperature	Time
Whole Blood ACD	Refrigerated (preferred)	4 days
	Ambient	72 hours

Cautions:

The presence of a pseudodeficiency allele may cause reduced activity of alpha-L-iduronidase in the artificial substrate used in this assay. This can result in values below the normal reference range, but will typically be greater than levels found in individuals with mucopolysaccharidosis I (MPS I).

This test does not differentiate between Hurler and Scheie syndromes.

Enzyme levels may be normal in individuals receiving enzyme replacement therapy or who have undergone hematopoietic stem cell transplant.

CPT Code:

82657

Day(s) Setup: Specimens are processed Monday through Sunday.
Assay is performed: Varies

Analytic Time: 5 days

Questions

Contact Melissa Tricker-Klar, Laboratory Technologist Resource Coordinator at 800-533-1710.