
Reporting Title: MPS I Biomarker, BS**Performing Location:** Rochester**Ordering Guidance:**

This test is recommended for assessment of newborns and infants with a positive newborn screen (reduced alpha-L-iduronidase activity) for mucopolysaccharidosis type I (MPS I). This test is not intended to be used as a monitoring test for individuals with confirmed MPS I.

Quantitative values of the glycosaminoglycans, dermatan and heparan sulfate, are not provided with this assay. If quantitative values are desired, order MPSBS / Mucopolysaccharides, Blood Spot.

This test is also available as a part of a panel; see MPS1R / Endogenous Mucopolysaccharidosis Type I (IDUA [Alpha-L-Iduronidase])) Biomarker Reflex, Blood Spot.

Shipping Instructions:

Specimens stored at ambient temperatures for more than 13 days after collection may result in false-positive results in carrier and other unaffected individuals.

Specimen Requirements:

Supplies: Card-Blood Spot Collection (Filter Paper) (T493)

Container/Tube:

Preferred: Blood Spot Collection Card

Acceptable: Whatman Protein Saver 903 paper, PerkinElmer 226 filter paper, Munktell filter paper, local newborn screening card, or postmortem screening card.

Specimen Volume: 2 Blood spots

Collection Instructions:

1. An alternative blood collection option for a patient older than 1 year is a fingerstick. For detailed instructions, see How to Collect Dried Blood Spot Samples.
2. Completely fill at least 2 circles on filter paper card (approximately 100 microliters blood per circle).
3. Let blood dry on the filter paper at ambient temperature in a horizontal position for a minimum of 3 hours.
4. Do not expose specimen to heat or direct sunlight.
5. Do not stack wet specimens.
6. Keep specimen dry.

Additional Information:

1. For collection instructions, see Blood Spot Collection Instructions
2. For collection instructions in Spanish, see Blood Spot Collection Card-Spanish Instructions (T777)
3. For collection instructions in Chinese, see Blood Spot Collection Card-Chinese Instructions (T800)

Specimen Minimum Volume:

1 Blood spot

Forms:

1. Biochemical Genetics Patient Information (T602)
2. If not ordering electronically, complete, print, and send a Biochemical Genetics Test Request (T798) with the specimen.

Specimen Type	Temperature	Time	Special Container
Whole blood	Refrigerated (preferred)	30 days	FILTER PAPER
	Frozen	90 days	FILTER PAPER
	Ambient	13 days	FILTER PAPER

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
622355	Interpretation	Alphanumeric		59462-2
622356	Reviewed by	Alphanumeric		18771-6

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code: 1 × 82542

Reference Values:

An interpretive report will be provided.