

GLUCOPSYCHOSINE, BLOOD SPOT
Test ID: GPSY

USEFUL FOR:

- Quantification of glucopsychosine (glucosylsphingosine) in dried blood spots supports the biochemical diagnosis of Gaucher disease
- May aid in monitoring a patient's response to treatment

METHODOLOGY: Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)

REFERENCE VALUES: Normal <47 nmol/L glucopsychosine

SPECIMEN REQUIREMENTS:

Container/Tube:

Preferred: Whatman Protein Saver 903

Acceptable: Ahlstrom 226 filter paper, Munktell filter paper, and dried blood spots from Supplemental Newborn Screening Card (Supply T493) or Postmortem Screening Card (Supply T525).

Specimen Volume: 2 blood spots

Collection Instructions:

1. Let blood dry on filter paper at room temperature in a horizontal position for 3 or more hours.
2. At least 1 spot should be complete, ie, unpunched.
3. Do not expose specimen to heat or direct sunlight.
4. Do not stack wet specimens.
5. Keep specimen dry.

Minimum Volume: 1 blood spot

NOTE: Blood dried on filter paper containing heparin or EDTA is acceptable.

FORMS: **New York Clients-Informed consent is required.** Please document on the request form or electronic order that a copy is on file. An Informed Consent for Genetic Testing (Supply T576) is available in Special Instructions

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Whole Blood	Ambient (preferred)	96 days
	Frozen	96 days
	Refrigerated	96 days

CAUTIONS: This test is not capable of identifying carriers of GBA mutations.

CPT CODE: 83789

DAY(S) SET UP: Tuesday, Friday 12 p.m.

ANALYTIC TIME: 2 days

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or David O'Brien, MML Laboratory Technologist Resource Coordinator
Telephone: 800-533-1710