

Reporting Title: Lysosomal (Six) Panel, WBC
Performing Location: Rochester

Ordering Guidance:
Carrier detection using enzyme levels is unreliable for female patients with Fabry disease as results may be within the normal values. Order FABRZ / Fabry Disease, Full Gene Analysis, Varies for testing carrier status.

Shipping Instructions:
For optimal isolation of leukocytes, it is recommended the specimen arrive refrigerated within 6 days of collection to be stabilized. Collect specimen Monday through Thursday only and not the day before a holiday. Specimen should be collected and packaged as close to shipping time as possible.

Specimen Requirements:
Container/Tube:
Preferred: Yellow top (ACD solution B)
Acceptable: Yellow top (ACD solution A) or lavender top (EDTA)
Specimen Volume: 6 mL
Collection Instructions: Send whole blood specimen in original tube. **Do not aliquot.**

Forms:
1. **New York Clients-Informed consent is required.** Document on the request form or electronic order that a copy is on file. The following documents are available:
-[Informed Consent for Genetic Testing](#) (T576)
-[Informed Consent for Genetic Testing-Spanish](#) (T826)
2. [Biochemical Genetics Patient Information](#) (T602)
3. 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 ACD	Refrigerated (preferred)	6 days	
	Ambient	6 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
606172	Beta-Glucosidase	Numeric	nmol/h/mg Prot	32540-7
606173	Acid Sphingomyelinase	Numeric	nmol/h/mg Prot	24101-8
606178	Acid Alpha-Glucosidase	Alphanumeric	nmol/h/mg Prot	24051-5
606179	Acid Alpha-Glucosidase (Reflex)	Alphanumeric	nmol/h/mg Prot	94488-4
606174	Galactocerebrosidase	Alphanumeric	nmol/h/mg Prot	24084-6
606175	Galactocerebrosidase (Reflex)	Alphanumeric	nmol/h/mg Prot	94487-6
606176	Alpha-L-Iduronidase	Numeric	nmol/h/mg Prot	24057-2
606177	Alpha-Galactosidase	Numeric	nmol/h/mg Prot	24049-9

606180	Interpretation	Alphanumeric		59462-2
606181	Reviewed By	Alphanumeric		18771-6

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

82657

82963

83789 (if appropriate for government payers)

82542 (if appropriate)

Reflex Tests:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
GAAWR	Acid Alpha-Glucosidase Reflex, WBC	1	82542	No	Yes, (Order GAAW)
GALCR	Galactocerebrosidase Reflex, WBC	1	82542	No	Yes, (Order GALCW)

Reference Values:

Beta-Glucosidase: > or =3.53 nmol/hour/mg protein

Acid Sphingomyelinase: > or =0.32 nmol/hour/mg protein

Acid Alpha-Glucosidase: > or =5.00 nmol/hour/mg protein

Galactocerebrosidase: > or =1.88 nmol/hour/mg protein

Alpha-Galactosidase: > or =10.32 nmol/hour/mg protein

Alpha-L-Iduronidase: > or =2.06 nmol/hour/mg protein

Acid Alpha-Glucosidase (Reflex): > or =1.50 nmol/hour/mg protein

Galactocerebrosidase (Reflex): > or =0.300 nmol/hour/mg protein

An interpretative report will be provided.