

Alpha-Galactosidase, Blood Spot

Test ID: AGABS

Explanation:

Due to low utilization, on the effective date, AGABS (Alpha-Galactosidase, Blood Spot) will be obsolete. Please see the recommended alternative testing option listed below.

Recommended Alternative Test:

Lysosomal and Peroxisomal Disorders Screen, Blood Spot

Test ID: PLSD

Methodology:

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

Reference Values

| Disease | Marker | Normal range |
|------------------|--------------------------------|-----------------------|
| Gaucher | Acid beta-glucosidase | > or =1.75 nmol/mL/hr |
| Niemann-Pick A/B | Sphingomyelinase | > or =2.5 nmol/mL/hr |
| Pompe | Acid alpha-glucosidase | > or =3.0 nmol/mL/hr |
| Krabbe | Galactocerebrosidase | > or =0.4 nmol/mL/hr |
| Fabry | Alpha-galactosidase | > or =2.00 nmol/mL/hr |
| MPS I | Alpha-L-iduronidase | > or =1.5 nmol/mL/hr |
| MPS II | Iduronate 2-sulfatase | > or =4.0 nmol/mL/hr |
| NA | C20 Lysophosphatidylcholine | < or =1.81 nmol/mL |
| NA | C22 Lysophosphatidylcholine | < or =0.43 nmol/mL |
| ALD/PBD/ALDH | C24 Lysophosphatidylcholine | < or =0.49 nmol/mL |
| ALD/PBD/ALDH | C26 Lysophosphatidylcholine | < or =0.47 nmol/mL |

Specimen Requirements:

- Supplies:** Card-Blood Spot Collection (Filter Paper) (T493)
- Preferred:** Blood Spot Collection Card
- Acceptable:** PerkinElmer 226 filter paper, Munktell filter paper, Whatman Protein Saver 903 paper, local newborn screening card, or blood collected in tubes containing ACD or EDTA and dried on acceptable filter paper
- 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 the 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.
- Minimum Volume:** 1 Blood spot

Specimen Stability Information:

| Specimen Type | Temperature | Time | Special Container |
|---------------|--------------------------|---------|-------------------|
| Whole blood | Refrigerated (preferred) | 90 days | FILTER PAPER |
| | Ambient | 28 days | FILTER PAPER |
| | Frozen | 90 days | FILTER PAPER |

CPT Code:

83789

Day(s) Performed: Monday through Sunday **Report Available:** 2 days

Questions

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

