



OLIGOSACCHARIDOSES SCREEN, FIBROBLASTS
Test ID: OLITC

USEFUL FOR: Screening for possible oligosaccharidoses

TESTING ALGORITHM:

When this test is ordered, a fibroblast culture (Test ID: FIBR) and cryopreservation for biochemical studies (Test ID: CRYOB) will always be performed at an additional charge. However, for multiple lysosomal enzyme assays on a patient utilizing fibroblast cultures, only 1 culture is required regardless of the number of enzyme assays ordered. If viable cells are not obtained within 10 days, client will be notified.

METHODOLOGY: Enzyme reaction assay followed by Flow Injection Analysis-Tandem Mass Spectrometry (FIA-MS/MS)

REFERENCE VALUES: An interpretive report will be provided.

SPECIMEN REQUIREMENTS:

Submit only 1 of the following specimens:

Specimen Type: Cultured fibroblasts

Container/Tube: T-75 or T-25 flask

Specimen Volume: 1 Full T-75 flask or 2 full T-25 flasks

Specimen Stability Information: Ambient (preferred)/Refrigerated <24 hours

Specimen Type: Skin biopsy

Container/Tube: Sterile container with any standard cell culture media (eg, minimal essential media, RPMI 1640). The solution should be supplemented with 1% penicillin and streptomycin. Tubes can be supplied upon request (Eagle's minimum essential medium with 1% penicillin and streptomycin [Supply T115]).

Specimen Volume: 4-mm punch

Specimen Stability Information: Refrigerated (preferred)/Ambient

NOTE: This test is not appropriate for prenatal testing.

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Tissue	Varies	

CAUTIONS:

The test can give false-negative results, especially in older patients with mild clinical presentations. Patients with mild sialidosis are not reliably detected.

Additional biochemical or molecular genetic analysis is required to confirm a suspected diagnosis.

CPT CODE: 82657

DAY(S) SET UP: Varies

ANALYTIC TIME: 30-45 days depending on rapidity of growth

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