



Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.





NeoTYPE® Liposarcoma Fusion Profile

Alternative Name

Liposarcoma Fusions

Methodology

Molecular

Test Description

The NeoTYPE Liposarcoma Fusion Profile combines next-generation sequencing to detect translocations in the genes EWSR1, FUS, HMGA2, and PLAG1 with FISH testing for MDM2 to detect amplifications relevant in liposarcoma. FISH components of NeoTYPE Profiles may be ordered as “Tech-Only” by pathology clients who wish to perform the professional component.

Clinical Significance

The diagnosis and classification of lipomatous lesions can be very challenging. Fortunately, reproducible cytogenetics have been identified in the most common lipomatous neoplasms. MDM2 amplification is a very consistent feature of well-differentiated liposarcoma/atypical lipomatous tumor and their dedifferentiated counterparts, while other abnormalities have been identified in lipoblastoma, lipoma, and myxoid/round cell liposarcoma. This panel, combining MDM2 FISH with selected NGS studies, has been designed to help in the diagnosis of the major lipomatous neoplasms and provide clear distinction from one another.

Specimen Requirements

- **FFPE tissue:** Paraffin block is preferred. Alternatively, send 1 H&E slide plus 5-10 unstained slides cut at 5 or more microns. Please use positively-charged slides and 10% NBF fixative. Do not use zinc fixatives.

Storage & Transportation

Use cold pack for transporting block during summer to prevent block from melting. Slides can be packed at room temperature.

CPT Code(s)*

81406x1, 88374x1 automated or 88377x1 manual

New York Approved

No

Level of Service

Global

Turnaround Time

21 days

*The CPT codes provided with our test descriptions are based on AMA guidelines and are for informational purposes only. Correct CPT coding is the sole responsibility of the billing party.

Please direct any questions regarding coding to the payor being billed.

NeoGenomics Laboratories is a specialized oncology reference laboratory providing the latest technologies, testing partnership opportunities, and interactive education to the oncology and pathology communities. We offer the complete spectrum of diagnostic services in molecular testing, FISH, cytogenetics, flow cytometry, and immunohistochemistry through our nation-wide network of CAP-accredited, CLIA-certified laboratories.

Committed to research as the means to improve patient care, we provide Pharma Services for pharmaceutical companies, in vitro diagnostic manufacturers, and academic scientist-clinicians. We promote joint publications with our client physicians. NeoGenomics welcomes your inquiries for collaborations. Please contact us for more information.

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Rev. 050324