



# Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.





## MDM2

### Alternative Name

E3 ubiquitin ligase

### Methodology

FISH

### Test Description

**Probes:** MDM2 (12q15) | Centromere 12

**Disease(s):** Liposarcoma

### Clinical Significance

This test detects amplifications of the MDM2 gene for classification of certain adipocytic tumors. MDM2 gene amplifications may appear microscopically as ring chromosomes, giant marker chromosomes, and double minutes. MDM2 amplifications are frequently detected in well-differentiated liposarcoma, which includes atypical lipomatous tumor (ALT/WDLS), and in dedifferentiated liposarcoma (DDLs). These tumors can be difficult to distinguish morphologically from other high-grade sarcomas and benign tumors. Amplifications are detected infrequently in other soft tissue sarcomas, and are not detected in benign lipomas. Drug targeting of MDM2 is an active area of clinical research.

### Specimen Requirements

- **Bone marrow aspirate:** N/A
- **Peripheral blood:** N/A
- **Fluids:** N/A
- **Paraffin block:** Send paraffin block. Also send circled H&E slide for tech-only (required).
- **Cut slides:** H&E slide (required) plus 4 unstained slides cut at 4-5 microns. Circle H&E slide for tech-only.

### Storage & Transportation

Use cold pack for transport. Make sure cold pack is not in direct contact with specimen.

### CPT Code(s)\*

88377x1 manual or 88374x1 automated.

### New York Approved

Yes

### Level of Service

Global, Technical

### Turnaround Time

3-5 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.

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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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