



## TECHNICAL BULLETIN

NEW TEST  TEST CHANGE

NOTIFICATION DATE: 05/16/2022

EFFECTIVE DATE: 05/16/2022

### MDM2 Fluorescence *in situ* hybridization (FISH) test on Formalin Fixed Paraffin Embedded (FFPE) tissue

On the effective date, Fluorescence *In Situ* Hybridization (FISH) testing for identification of amplification of the **MDM2 gene on FFPE** specimens will now be performed at the Cytogenetics Lab at NSUH, Northwell Health Laboratories with improved turnaround time. This test will no longer be performed at Mayo Clinic Laboratories. Identifying MDM2 gene amplification by FISH has become a routine ancillary tool for diagnosing atypical lipomatous tumor (ALT)/well-differentiated liposarcoma and dedifferentiated liposarcoma (WDL/DDL) in specialist sarcoma units. Indications for this test include MDM2 amplification analysis, r/o Lipoblastoma, r/o Atypical lipomatous sarcoma/tumor, r/o Liposarcoma.

Test Requirement/Parameters	Requirements
<b>Method:</b>	MDM2 gene amplification by FISH
<b>Specimen Requirements:</b>	Four (4) unstained slides of FFPE tissue section specimens 4-5 microns thick with two unique identifiers, block ID and cut number clearly labeled on the positively charged slides are required. An additional Hematoxylin and Eosin (H&E) slide must be submitted along with the sample clearly marked by a pathologist to denote the area of interest for the FISH study. These slides should be sent to the <b>Cytogenetics Laboratory at NSUH</b> ASAP. If slides are prepared late in day, store them at room temperature until next day morning.
<b>Turnaround Time</b>	7 – 10 days
<b>Specimen Stability</b>	Room temperature, 5 day stability
<b>Computer Interface Code:</b>	<a href="#">PDM #5160520</a>
<b>Test Order:</b>	<a href="#">HLX FH Oncology</a>

If you have any questions, please contact NSUH Cytogenetics Lab at (516) 562-3899 or (516) 562-1585.