### Normal Report

**Sample Report, 510825**

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<tr>
<th>Specimen Number</th>
<th>Patient ID</th>
<th>Control Number</th>
<th>Account Number</th>
<th>Account Phone Number</th>
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<tbody>
<tr>
<td>257-225-9005-0</td>
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<td>90000999</td>
<td>336-436-8645</td>
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<table>
<thead>
<tr>
<th>Patient SS#</th>
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<th>Total Volume</th>
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<table>
<thead>
<tr>
<th>Age (Y/M/D)</th>
<th>Date of Birth</th>
<th>Sex</th>
<th>Fasting</th>
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<tbody>
<tr>
<td>31/03/01</td>
<td>06/12/85</td>
<td>F</td>
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<table>
<thead>
<tr>
<th>Patient Address</th>
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</table>

**Date and Time Collected** 09/13/16 00:00

**Date and Time Reported** 09/13/16

**Date Entered** 09/13/16

**Physician Name**

**NPI**

**Physician ID**

**Tests Ordered**

- FISH Paraffin Block Test
- Chromosomes Leuk/Lymph
- FISH Probe 88271 X2
- FISH Inter Analysis

**Tests**

<table>
<thead>
<tr>
<th>FISH Paraffin Block Test</th>
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<tbody>
<tr>
<td><strong>Specimen Type</strong></td>
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<tr>
<td>PARAFFIN EMBEDDED</td>
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<tr>
<td>This test was developed and its performance characteristics determined by LabCorp. It has not been cleared or approved by the Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary.</td>
</tr>
<tr>
<td><strong>Cells Counted</strong> 200</td>
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<tr>
<td><strong>Cells Analyzed</strong> 200</td>
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<tr>
<td><strong>FISH Result</strong></td>
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<tr>
<td><strong>NORMAL MALT FISH RESULT</strong></td>
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</tbody>
</table>

**Comment:**

\[ \text{nuc ish } 18q21 (\text{MALT1x2}) [200] \]

The fluorescence in situ hybridization (FISH) analysis was normal. FISH using a dual color break apart DNA probe targeting the MALT1 gene (Vysis Inc.) demonstrated intact fusion hybridization signals in all interphase nuclei analyzed.

Chromosome analysis should be considered to identify clonal alterations not targeted by the FISH probes ordered. FISH results should be interpreted within the context of histology, IHC, and a pathological evaluation.

*The probe is constructed so that the 3' end of the gene is labeled with a red fluorochrome while the 5' end of the gene is labeled with a green fluorochrome. An unrearranged MALT1 gene has a yellow fusion signal, while MALT1 gene rearrangement shows separate red and green hybridization signals.*
.All paraffin-embedded tissues referred for FISH testing are reviewed by a pathologist at the 1912 Center for Molecular Biology and Pathology 1 location.

This test was developed and its performance characteristics determined by Laboratory Corporation of America Holdings (LabCorp). It has not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. This test is used for clinical purposes. It should not be regarded as investigational or for research.

Director Review: ANDREA PENTON, PHD

<table>
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<tr>
<th>TESTS</th>
<th>RESULT</th>
<th>FLAG</th>
<th>UNITS</th>
<th>REFERENCE INTERVAL</th>
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</tbody>
</table>

01 YU LabCorp RTP Dir: Arundhati Chatterjee, MD
1904 TW Alexander Drive Suite C, RTP, NC 27709-0153

For inquiries, the physician may contact Branch: 800-222-7566 Lab: 800-735-4087
FISH RESULT: NORMAL MALT FISH RESULT

INTERPRETATION:

nuc ish 18q21(MALT1x2)[200]

The fluorescence in situ hybridization (FISH) analysis was normal. FISH using a dual color break apart DNA probe* targeting the MALT1 gene (Vysis Inc.) demonstrated intact fusion hybridization signals in all interphase nuclei analyzed.

Chromosome analysis should be considered to identify clonal alterations not targeted by the FISH probes ordered. FISH results should be interpreted within the context of histology, IHC, and a pathological evaluation.

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ANDREA PENTON, PHD
Board Certified Cytogeneticist

Arundhati Chatterjee, MD
Medical Director

Peter Papenhausen, PhD
National Director of Cytogenetics

Technical component performed by Laboratory Corporation of America Holdings, 1904 TW Alexander Drive, RTP, NC, 27709-0153  (800) 345-4363

Professional Component performed by LabCorp CLIA 34D1008914, 1904 TW Alexander Dr, Research Triangle Park, NC 27709. Medical Director, Arundhati Chatterjee, MD.

Integrated Oncology is a brand used by Esoterix Genetic Laboratories, LLC, a wholly-owned subsidiary of Laboratory Corporation of America Holdings.

This document contains private and confidential health information protected by state and federal law.
FISH Paraffin Block Test

Specimen Type: PARAFFIN EMBEDDED

This test was developed and its performance characteristics determined by LabCorp. It has not been cleared or approved by the Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary.

- Cells Counted: 200
- Cells Analyzed: 200

**FISH Result**

Comment:

50% OF NUCLEI POSITIVE FOR MALT REARRANGEMENT

**Interpretation**

Comment:

nuc ish 18q21(MALT1x2)(5'MALT1 sep 3'MALT1x1)[100/200]

The fluorescence in situ hybridization (FISH) result was abnormal. FISH using a dual color break apart DNA probe* targeting the MALT1 gene (Vysis Inc.), demonstrated a gene rearrangement consistent with MALT lymphoma. This gene rearrangement is often associated with a t(11;18).

Chromosome analysis should be considered to identify clonal alterations not targeted by the FISH probes ordered. FISH results should be interpreted within the context of a full hematopathology evaluation.

*The probe is constructed so that the 3' end of the gene is labeled with a red fluorochrome while the 5' end of the gene is labeled with a green fluorochrome. An unrearranged MALT1 gene shows a yellow fusion hybridization signal. A rearranged MALT1 gene shows separate red and green hybridization signals.
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Director Review: ANDREA PENTON, PHD

For inquiries, the physician may contact Branch: 800−222−7566  Lab: 800−735−4087
LCLS Specimen Number: 257-225-9006-0

Patient Name: SAMPLE REPORT, 510825
Date of Birth: 06/12/1985
Gender: F
Patient ID:
Lab Number: YU16-72752 F

Indications:

Test: FISH Paraffin Block Test

Cells Counted: 200

FISH RESULT: 50% OF NUCLEI POSITIVE FOR MALT REARRANGEMENT

INTERPRETATION:

nuc ish 18q21(MALT1x2)(5'MALT1 sep 3'MALT1x1)[100/200]

The fluorescence in situ hybridization (FISH) result was abnormal. FISH using a dual color break apart DNA probe* targeting the MATL1 gene (Vysis Inc.), demonstrated a gene rearrangement consistent with MALT lymphoma. This gene rearrangement is often associated with a t(11;18).

Chromosome analysis should be considered to identify clonal alterations not targeted by the FISH probes ordered. FISH results should be interpreted within the context of a full hematopatholgy evaluation.

*The probe is constructed so that the 3' end of the gene is labeled with a red fluorochrome while the 5' end of the gene is labeled with a green fluorochrome. An unrearranged MALT1 gene shows a yellow fusion hybridization signal. A rearranged MALT1 gene shows separate red and green hybridization signals.

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LCLS Specimen Number: 257-225-9006-0  
Patient Name: SAMPLE REPORT, 510825  
Date of Birth: 06/12/1985  
Gender: F  
Patient ID:  
Lab Number: YU16-72752 F

Client/Sending Facility:  
LabCorp Test Master  
Test Account  
3060 South Church Street  
Burlington, NC 27215  
Ph: (336)436-8645  
POE-00

Account Number: 90000999  
Ordering Physician:  
Specimen Type: PARAFFIN EMBEDDED  
Client Reference:  
Date Collected: 09/13/2016  
Date Received: 09/14/2016

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