

# Molecular Genetics

## NGS Lymphoma Profile For FL




### Client 8090 Oncology Institute

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Patient Name: Norman, George  
Patient DOB / Sex: 09/19/1994 / M  
Specimen Type: **Paraffin Tissue**  
Specimen ID: 79-44  
MRN: 3006788

Ordering Physician(s): Vasillis Margaritis, MD  
Accession / CaseNo: 0067889 / TIM03-04379  
Collection Date: 12/13/2022  
Received Date: 12/14/2022 09:07:00 AM PDT  
Report Date: 12/23/2022 08:07:00 AM PDT

## Results Summary

	<b>1 Clinically Significant Translocation Detected</b>	T(14;18) (q32;q21)
	<b>Additional Studies</b>	<b>BCL 2 overexpression: DETECTED</b>
	<b>Pertinent Negatives</b>	NO abnormalities detected in the following genes: Cycline D1
<b>Interpretation</b>		
- BCL 2 gene overexpression: Detected. Dependent on lymphoma type, BCL mutations are often associated with a poor prognosis aggressive disease. Clinicopathologic correlation recommended.		

<sup>S</sup> See full list of genes tested in Biomarkers Evaluated section at end of report.

## Profile Results Detail

Molecular Testing Detail						
Gene name	Alteration	Chromosome Change	Chromosome Change	Consequence	Expression level (%)	Read Depth
<b>BCL2</b>	Translocation	T(14;18)	Q32;q21	Apoptosis inhibition	90	124
<b>Cycline D1</b>	Not detected	N/A	N/A	N/A	0	0

Biomarker/Assay	Results
BCL2 gene analysis	<b>Overexpression</b> T(14;18) q(32;21)

## Test Description & Methodology

Test Description
The NGS Lymphoma Profile for Follicular lymphoma uses next-generation sequencing (NGS) as listed below. Test orders include summary interpretation of all results to help guide treatment decisions.
Clinical Significance
The NGS Lymphoma Profile for FL is useful to excision biopsy of lymph nodes that are indeterminate or suspicious on cytology. Presence of mutations or gene rearrangements as detected by FISH predicts malignancy with varying degrees of specificity depending on the gene alteration and histological subtype. BCL2 rearrangement/overexpression is associated with poor prognosis follicular lymphoma