

Molecular Genetics

NGS Lymphoma Profile For FL




Client 8090
Oncology Institute

800 N Brand ave
[REDACTED]
Phone: [REDACTED]
Fax: [REDACTED]

Patient Name: [REDACTED]
Patient DOB / Sex: [REDACTED] / M
Specimen Type: **Paraffin Tissue**
Specimen ID: 79-44
MRN: [REDACTED]

Ordering Physician(s): [REDACTED] MD
Accession / [REDACTED]: [REDACTED]
Collection Date: [REDACTED]
Received Date: [REDACTED] 09:07:00 AM PDT
Report Date: [REDACTED] 08:07:00 AM PDT

Results Summary

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

§ 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
BCL2	Translocation	T(14;18)	Q32;q21	Apoptosis inhibition	90	124
Cycline D1	Not detected	N/A	N/A	N/A	0	0

Results
BCL2 gene analysis
Overexpression 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 [REDACTED] 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