

Patient ID SA00150380	Patient Name TESTINGRNV, LCAF-POSITIVE	Birth Date 1950-02-15	Gender M	Age 71
Order Number SA00150380	Client Order Number SA00150380	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 26 Jan 2022 07:06		

ALK (2p23), Lung Cancer, FISH, Ts

Result Summary

MCR

Positive

Interpretation

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The result is abnormal and indicates rearrangement of the ALK gene. Lung carcinomas with ALK rearrangements may be sensitive to directed ALK inhibitors (Soda et al., Nature 448:561–566, 2007). Clinical and pathologic correlation is recommended.

Result

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nuc ish(ALKx2)(3'ALK sep 5'ALKx1)[41/50]

Of 50 nuclei, 82% had separation of the 3'ALK and 5'ALK signals. The normal cutoff when 50 nuclei are analyzed is <50.0% for one 3'ALK, one 5'ALK and one 3'ALK/5'ALK signal.

Reason for Referral

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r/o ALK gene rearrangement

Specimen

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Tissue, Paraffin, Formalin

Source

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Lung

Tissue ID

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BR-12345

Method

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Locus and probes	[Strategy;#Nuclei;Class]
2p23(3'ALK,5'ALK)	[BAP;50;LDT]

Probe strategy includes: BAP=break-apart probe.

Scoring Method: Manual

Disclaimer

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Laboratory Developed Test (LDT). This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. It has not been cleared or approved by the U.S. Food and Drug Administration. This FISH assay does not rule out other chromosome abnormalities.

Released By

MCR

Patricia T. Greipp, D.O.

Received: 27 Jan 2022 07:12

Reported: 21 Feb 2022 12:21

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
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