

Patient ID SA00150484	Patient Name TESTINGRNA, ROS1F-ABNORMAL	Birth Date 1950-03-09	Gender M	Age 71
Order Number SA00150484	Client Order Number SA00150484	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 01 Feb 2022 08:10		

ROS1 (6q22), FISH, Ts

Result Summary

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Positive

Interpretation

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The result is abnormal and indicates a rearrangement of the ROS1 gene. Lung adenocarcinomas with ROS1 rearrangements may be sensitive to directed ALK inhibitors (Bergethon et al., J of Clinical Oncol 8:863–870, 2012).

Clinical and pathologic correlation is recommended.

Result

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nuc ish(ROS1x2)(3'ROS1 sep 5'ROS1x1)[47/50]

Abnormality	Cutoff(%)
6q22(ROS1 sep)	<12.0

Of 50 nuclei, 94% had separation of 3'ROS1 and 5'ROS1 signals.

Reason for Referral

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r/o ROS1 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]
6q22(3'ROS1,5'ROS1)	[BAP;50;ASR]

Probe strategy includes: BAP=break-apart probe.

Scoring Method: Manual

Disclaimer

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Analyte Specific Reagent (ASR). 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: 02 Feb 2022 08:11

Reported: 02 Mar 2022 10:24

Performing Site Legend

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