

Patient ID SA00150419	Patient Name TESTINGRNV, MESOF-POSITIVE	Birth Date 1961-08-01	Gender M	Age 60
Order Number SA00150419	Client Order Number SA00150419	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 30 Jan 2022 09:15		

Mesothelioma, FISH, Ts

Result Summary

Positive

Interpretation

The result is abnormal and indicates 80% of nuclei had a homozygous CDKN2A deletion (at 9p21) with two copies of the chromosome 9 centromere. In the context of a mesothelial proliferation, homozygous deletion of CDKN2A has been associated with malignant mesothelioma (Chiose et al., Mod Pathol 21:742-747, 2008; Hwang et al., Am J Surg Pathol 38:681-688, 2014; Wu et al., Ann Diagn Pathol 26:31-37, 2017). However, this abnormality can be observed in numerous other malignancies including melanoma, carcinoma, sarcoma and hematolymphoid malignancies. Therefore, this finding in isolation is not diagnostic of malignant mesothelioma.

Clinical and pathologic correlation is required.

Result

nuc ish(CDKN2Ax0,D9Z1x2)[80/100]

Abnormality	Cutoff(%)
9p-x1	<60.0
9p-x2	<50.0
-9(CDKN2A,D9Z1)x1	<50.0

Reason for Referral

r/o CDKN2A homozygous deletion

Specimen

Tissue, Paraffin, Formalin

Source

Lung

Tissue ID

BR-12345

Method

Locus and probes	[Strategy;#Nuclei;Class]
9p21(CDKN2A), 9CEN(D9Z1)	[COPY#;100;ASR]

Probe strategies include:
COPY#=region gain and loss.
Scoring Method: Manual

Disclaimer

Analyte Specific Reagent (ASR). This test was developed using an analyte specific reagent. Its performance characteristics were determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration. This FISH test does not rule out other chromosome abnormalities.

Released By

Patricia T. Greipp, D.O.

Received: 31 Jan 2022 09:17

Reported: 21 Feb 2022 12:34

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292