

Patient ID SA00150427	Patient Name TESTINGRNV, MSTF-ABNORMAL	Birth Date 1986-04-19	Gender M	Age 35
Order Number SA00150427	Client Order Number SA00150427	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 30 Jan 2022 10:26		

Myeloid Sarcoma, FISH, Ts

Result Summary

Abnormal

Interpretation

The result is abnormal and indicates 92% of nuclei have PML/RARA fusion. This result usually indicates a t(15;17), which is associated with both de novo and therapy related APL. While this translocation reportedly has a favorable prognosis at diagnosis in APL, the prognostic significance in a myeloid sarcoma is unknown.

For monitoring response to therapy in this patient, we suggest using FISH for PML/RARA fusion.

Result Table

Abnormality Name	Result	Abn%	Cutoff%
t(15;17) PML/RARA fusion	Abnormal	92	<3.0
t(8;21) RUNX1T1/RUNX1 fusion	Normal		<3.0
t(9;22) ABL1/BCR fusion	Normal		<3.0
inv(16)/t(16;16) MYH11/CBFB fusion	Normal		<3.0
11q23(MLL sep)	Normal		<3.0

Result

nuc ish(PML,RARA)x3(PML con RARAx2)[92/100]

Reason for Referral

myeloid sarcoma

Specimen

Tissue, Paraffin, Formalin

Source

Skin

Tissue ID

BR-12345

Method

Locus and probes	[Strategy;#Nuclei;Class]
8q22(RUNX1T1), 21q22(RUNX1)	[DFISH;100;ASR]
9q34(ABL1), 22q11.2(BCR)	[DFISH;100;ASR]
11q23(5'MLL[KMT2A],3'MLL[KMT2A])	[BAP;100;ASR]
15q24.1(PML), 17q21(RARA)	[DFISH;100;ASR]
16p13(MYH11), 16q22(CBFB)	[DFISH;100;LDT]

Probe strategies include:
DFISH=dual color, double fusion;
BAP=break-apart probe.
Scoring Method: Manual

Disclaimer

Applicable to Analyte Specific Reagent (ASR) and Laboratory Developed Tests (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 test does not rule out other chromosome abnormalities.

Released By

Patricia T. Greipp, D.O.

Received: 31 Jan 2022 10:33

Reported: 02 Mar 2022 09:29

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