

Patient ID SA00175511	Patient Name TESTING, AMLFA_NORMAL	Birth Date 2001-01-01	Sex F	Age 24
Order Number SA00175511	Client Order Number SA00175511	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 06 May 2025 00:00		

Adult-AML panel, FISH

Result Summary

Normal

Interpretation

This result is within normal limits for the AML FISH panel.

Result Table

Abnormality Name	Result	Abn% Cutoff%
t(15;17) PML::RARA fusion	Normal	<4.0
inv(16)/t(16;16) CBFB::MYH11 fusion	Normal	<4.0
11q23(KMT2A sep)	Normal	<10.0
t(8;21) RUNX1::RUNX1T1 fusion	Normal	<4.0
-5q31(D5S630x2,EGR1x1)	Normal	<12.0
-5(D5S630,EGR1)x1	Normal	<10.0
-7q31(D7Z1x2,D7S486x1)	Normal	<12.0
-7(D7Z1,D7S486)x1	Normal	<10.0
inv(3) GATA2::MECOM fusion	Normal	<4.0
t(6;9) DEK::NUP214 fusion	Normal	<4.0
-17p13.1(TP53x1,D17Z1x2)	Normal	<15.0
-17(TP53,D17Z1)x1	Normal	<10.0
t(9;22) BCR::ABL1 fusion	Normal	<4.0
11p15.4(NUP98 sep)	Normal	<25.0

Result

Interphase FISH is normal for all loci studied.

Reason for Referral

r/o AML

Specimen

Bone Marrow

Source

Left iliac crest

Method

Locus and probes	[Strategy;#Nuclei;Vendor]
3q21(GATA2), 3q26.2(MECOM)	[DFISH;200;LDT]
5p15.2(D5S630), 5q31(EGR1)	[COPY#;100;AM]
6p22.3(DEK), 9q34(NUP214)	[DFISH;200;LDT]
7CEN(D7Z1), 7q31(D7S486)	[COPY#;100;AM]
8q21.3(RUNX1T1), 21q22(RUNX1)	[DFISH;200;AM]
9q34(ABL1), 22q11.2(BCR)	[DFISH;200;AM]
11p15.4(3'NUP98,5'NUP98)	[BAP;100;LDT]
11q23(5'KMT2A,3'KMT2A)	[BAP;100;AM]
15q24.1(PML), 17q21(RARA)	[DFISH;200;AM]
16p13(MYH11), 16q22(CBFB)	[DFISH;200;LDT]
17p13(TP53), 17CEN(D17Z1)	[COPY#;100;AM]

Probe strategies include:
DFISH=dual color, double fusion;
BAP=break-apart probe;
COPY#=region gain and loss.
Scoring Method: Manual

Probe vendors include:
LDT = Mayo Clinic Developed
AM = Abbott Molecular, Inc (Des Plaines, IL)

Updated Gene Symbols

GATA2: previously reported as RPN1

KMT2A: previously reported as MLL

Performing Site Legend

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



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		Received: 13 May 2025 10:46	Reported: 21 May 2025 14:03

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