

Patient ID SA00175525	Patient Name TESTING, AMLFP_NORMAL	Birth Date 2001-01-01	Sex F	Age 24
Order Number SA00175525	Client Order Number SA00175525	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 06 May 2025 00:00		

Pediatric-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
t(7;12) MNX1::ETV6 fusion	Normal	<4.0
t(8;16)KAT6A::CREBBP fusion	Normal	<4.0
inv(16)/t(16;16)CBFA2T3::GLIS2 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]
7q36(MNX1), ETV6(12p13)	[DFISH;200;LDT]
8p11.2(KAT6A), 16p13.3(CREBBP)	[DFISH;200;LDT]
8q21.3(RUNX1T1), 21q22(RUNX1)	[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]
16p13.3(GLIS2), 16q24.3(CBFA2T3)	[DFISH;200;LDT]
16p13(MYH11), 16q22(CBFB)	[DFISH;200;LDT]

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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Disclaimer

MCR

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

MCR

Xinjie Xu, Ph.D.

Received: 13 May 2025 10:47

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