

Patient ID SA00148981	Patient Name TESTINGRNV, COGMF-NORMAL	Birth Date 2007-10-16	Gender M	Age 13
Order Number SA00148981	Client Order Number SA00148981	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 14 Oct 2021 06:10		

COG, AML, FISH

Result Summary

Normal

Interpretation

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

Result Table

Abnormality Name	Result	Abn%	Cutoff%
11q23(MLL sep)	Normal		<10.0
t(8;21) RUNX1T1/RUNX1 fusion	Normal		<4.0
t(15;17) PML/RARA fusion	Normal		<4.0
inv(16)/t(16;16) MYH11/CBFB 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) RPN1/MECOM fusion	Normal		<4.0
t(6;9) DEK/NUP214 fusion	Normal		<4.0
12p13.2(ETV6 sep)	Normal		<10.0
t(8;16) KAT6A/CREBBP fusion	Normal		<4.0
inv(16)/t(16;16)GLIS2/CBFA2T3 fusion	Normal		<4.0
11p15.4(NUP98 sep)	Normal		<10.0
t(1;22) RBM15/MKL1 fusion	Normal		<4.0

Result

Interphase FISH is normal for all loci studied.

Reason for Referral

AML, COG AAML1831

Specimen

Bone Marrow

Source

Left posterior iliac crest

Method

Locus and probes	[Strategy;#Nuclei;Class]
1p13(RBM15), 22q13(MKL1)	[DFISH;200;LDT]
3q21(RPN1), 3q26.2(MECOM)	[DFISH;200;LDT]
5p15.2(D5S630), 5q31(EGR1)	[COPY#;100;AM]
6p23(DEK), 9q34(NUP214)	[DFISH;200;LDT]
7CEN(D7Z1), 7q31(D7S486)	[COPY#;100;AM]
8p11.2(KAT6A), 16p13.3(CREBBP)	[DFISH;200;LDT]
8q22(RUNX1T1), 21q22(RUNX1)	[DFISH;200;AM]
11p15.4(3'NUP98,5'NUP98)	[BAP;100;LDT]
11q23(5'MLL[KMT2A],3'MLL[KMT2A])	[BAP;100;AM]
12p13.2(5'ETV6,3'ETV6)	[BAP;100;LDT]
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)

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



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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

Jess F. Peterson, M.D.

Received: 15 Oct 2021 07:41

Reported: 25 Oct 2021 10:38

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MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292