

Patient ID SA00149005	Patient Name TESTINGRNV, COGBF-NORMAL	Birth Date 2019-10-16	Gender M	Age 23 M
Order Number SA00149005	Client Order Number SA00149005	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 14 Oct 2021 06:51		

COG, ALL (B-cell), FISH

Result Summary

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Normal

Interpretation

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The result is within normal limits for the B-ALL FISH panel as well as FISH probes for the Ph-like B-ALL panel .

Result Table

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Abnormality Name	Result	Abn%	Cutoff%
11q23(MLL sep)	Normal		<10.0
t(9;22) ABL1/BCR fusion	Normal		<4.0
-9p21(CDKN2Ax1,D9Z1x2)	Normal		<12.0
-9p21x2(CDKN2Ax0,D9Z1x2)	Normal		<5.0
-17p13.1(TP53x1,D17Z1x2)	Normal		<15.0
-17(TP53,D17Z1)x1	Normal		<10.0
t(12;21) ETV6/RUNX1 fusion	Normal		<4.0
+21q22(RUNX1x3)	Normal		<7.0
14q32(IGH sep)	Normal		<15.0
Xp22.33/Yp11.32(3'CRLF2retentio n,5'loss)	Normal		<10.0
Xp22.33/Yp11.32(3'P2RY8loss,5'r etention)	Normal		<5.0
t(1;19) PBX1/TCF3 fusion	Normal		<4.0
der(19)t(1;19) PBX1/TCF3 fusion	Normal		<4.0
+4CEN(D4Z1x3)	Normal		<20.0
+10CEN(D10Z1x3)	Normal		<7.0
+17CEN(D17Z1x3)	Normal		<7.0
8q24.1(MYC sep)	Normal		<10.0
1q25(ABL2 sep)	Normal		<10.0
5q33(PDGFRB sep)	Normal		<15.0
9p24.1(JAK2 sep)	Normal		<10.0
9q34(ABL1 sep)	Normal		<15.0
-7p12.2(IKZF1dimx1,IKZF1x1,Cep7 x2)	Normal		<7.0

Result

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Interphase FISH is normal for all loci studied.

Reason for Referral

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B-acute lymphoblastic leukemia/B-ALL, B-ALL, COG AALL1732

Specimen

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Bone Marrow

Source

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Left posterior iliac crest

Method

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Locus and probes	[Strategy;#Nuclei;Class]
1q23(PBX1), 19p13.3(TCF3)	[DFISH;200;LDT]
1q25(3'ABL2,5'ABL2)	[BAP;100;LDT]
4CEN(D4Z1), 10CEN(D10Z1), 17CEN(D17Z1)	[COPY#;100;AM]
5q33(3'PDGFRB,5'PDGFRB)	[BAP;100;LDT]
7p12.2(IKZF1), 7CEN(CEP7)	[COPY#;100;AT]
8q24(5'MYC,3'MYC)	[BAP;100;AM]
9p24(5'JAK2,3'JAK2)	[BAP;100;LDT]
9p21(CDKN2A), 9CEN(D9Z1)	[COPY#;100;AM]
9q34(5'ABL1,3'ABL1)	[BAP;100;LDT]
9q34(ABL1), 22q11.2(BCR)	[DFISH;200;AM]
11q23(5'MLL[KMT2A],3'MLL[KMT2A])	[BAP;100;AM]
12p13(ETV6), 21q22(RUNX1)	[DFISH;200;LDT]
14q32(3'IGH,5'IGH)	[BAP;100;LDT]
17p13(TP53), 17CEN(D17Z1)	[COPY#;100;AM]
Xp22.33/Yp11.32(3'CRLF2,5'CRLF2)	[BAP;100;C]
Xp22.33/Yp11.32(3'P2RY8,5'P2RY8)	[BAP;100;C]

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

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

Probe vendors include:
LDT = Mayo Clinic Developed
AM = Abbott Molecular, Inc (Des Plaines, IL)
C = Cytocell, Inc. (Cambridge, UK)
AT = Agilent Technologies (Santa Clara, CA)

Disclaimer

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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 07:40

Reported: 25 Oct 2021 10:37

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