

Patient ID SA00175531	Patient Name TESTING, TALFP_NORMAL	Birth Date 2001-01-01	Sex M	Age 24
Order Number SA00175531	Client Order Number SA00175531	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 06 May 2025 00:00		

Pediatric T-ALL/LBL panel, FISH

Result Summary

Normal

Interpretation

This result is within normal limits for the T-cell ALL FISH panel.

Result Table

Abnormality Name	Result	Abn%	Cutoff%
11q23(KMT2A sep)	Normal		<10.0
t(9;22) BCR::ABL1 fusion	Normal		<4.0
ABL1 amplification	Normal		<15.0
t(5;14) TLX3::BCL11B fusion	Normal		<4.0
7q34(TRB sep)	Normal		<15.0
14q11.2(TRA sep)	Normal		<15.0
t(10;11) PICALM::MLLT10 fusion	Normal		<4.0
1p33(TAL1/STIL sep)	Normal		<10.0

Result

Interphase FISH is normal for all loci studied.

Reason for Referral

r/o T-cell ALL

Specimen

Bone Marrow

Source

Left iliac crest

Method

Locus and probes	[Strategy;#Nuclei;Vendor]
1p33(TAL1,STIL)	[BAP;100;LDT]
5q35(TLX3), 14q32(BCL11B)	[DFISH;200;LDT]
7q34(5'TRB,3'TRB)	[BAP;100;LDT]
9q34(ABL1), 22q11.2(BCR)	[DFISH;200;AM]
10p12(MLLT10), 11q14(PICALM)	[DFISH;200;LDT]
11q23(5'KMT2A,3'KMT2A)	[BAP;100;AM]
14q11.2(5'TRA,3'TRA)	[BAP;100;LDT]

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

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

Updated Gene Symbols:
KMT2A: previously reported as MLL
TRA: previously reported as TRAD

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

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Performing Site Legend

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