

Specimen Collected: 14-Aug-25 14:50

FISH Eosinophilia Panel	Received: 14-Aug-25 14:59	Report/Verified: 14-Aug-25 15:07
Procedure	Result	Units
Eosinophilia Panel by FISH	See Note ^{f1 i1}	Reference Interval [Normal]
EER FISH EOS P	EERUnavailable	

Result Footnote

f1: Eosinophilia Panel by FISH
Test Performed: Eosinophilia Panel by FISH (FISH EOSP)
Specimen Type: Peripheral Blood
Indication for Testing: Eosinophilia

RESULT

Abnormal FISH Result

4q12 FIP1L1::PDGFRA Fusion: DETECTED
5q32 PDGFRB Rearrangement: not detected
8p11.2 FGFR1 Rearrangement: not detected
9p24 JAK2 Rearrangement: not detected

INTERPRETATION

This analysis showed signal patterns consistent with FIP1L1::PDGFRA fusion due to deletion of the CHIC2 locus at 4q12 in 170/200 (85.0 percent) cells scored.

FISH analysis with the remaining probes showed normal results.

This finding is consistent with a specific group of myeloproliferative and lymphoid neoplasms, usually with eosinophilia, resulting from rearrangement involving PDGFRA, PDGFRB, FGFR1, or JAK2.

Please correlate this result with clinical and other laboratory findings.

This analysis was performed with the EOS panel probes PDGFRA (Abbott Molecular), PDGFRB, FGFR1 (CytoCell), and JAK2 (MetaSystems). A total of 200 cells were scored for each probe.

Cytogenomic Nomenclature (ISCN):

nuc ish(FIP1L1x2,CHIC2x1,PDGFRAx2)(FIP1L1 con
PDGFRAx1)[170/200],(PDGFRBx2)[200],(FGFR1,D8Z2)x2[200],(JAK2x2)[200]

Test Information

i1: Eosinophilia Panel by FISH
INTERPRETIVE INFORMATION: Eosinophilia Panel by FISH

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H-High, i-Test Information, L-Low, t-Interpretive Text, @=Performing lab**Unless otherwise indicated, testing performed at:****ARUP Laboratories**

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ARUP Accession: 25-226-900121**Report Request ID:** 20842686**Printed:** 14-Aug-25 15:14

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