
DEPARTMENT OF CYTOGENETICS

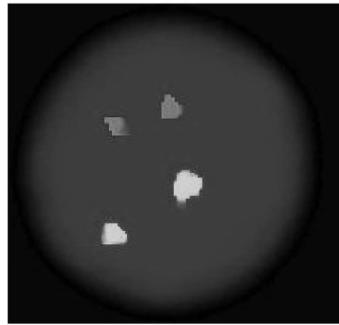
**FLUORESCENT IN SITU HYBRIDIZATION (FISH)****CYTOGENETICS DEPARTMENTS REFERENCE ID****CYG - 25 - 04 - PB - 654****TEST REQUESTED****POSTNATAL - 5 MARKER****FLUORESCENT IN SITU HYBRIDIZATION (FISH) [ISCN2020]**

Sample Type	Clinical Indication	Test Requested	Method
Peripheral Blood	Not provided	FISH for 13, 21, 18, Sex chromosomes	FISH
Sample Quality	Probe Details	Ref Range	No Of cells
Good	SPEC(Wuhan Health care) FISH for five markers (13, 18, 21 and sex chromosomes)	chromosome 21 = 3% chromosome 18 = 2% chromosome 13 = 2% Sex chromosome = 2%	200

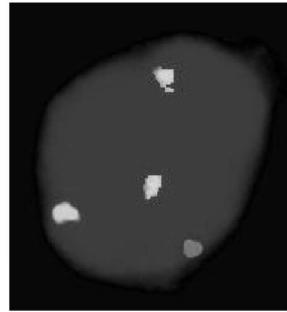
RESULTS TABLE

S.No.	Result (ISCN2020)	chromosome Loci/Color	No. of Cells	Result
1	nuc ish (RB1,D18S887/D18S881/D18S529) D21S1917/D21S341/D21S 339)x2	Red (chromosome 21) - 2 Green (chromosome 13) - 2 Blue (chromosome 18) - 2	200/200	Negative
2	nuc ish (DXZ1)x1,(DYZ3)x1	Green (chromosome X) - 1 Red (chromosome Y) - 1	200/200	Negative

FISH IMAGES



LSI 21q22.1-q22.2 - spectrum Red
LSI 13q34.2 (RBL gene) - spectrum Green



18p21.3 - (D18Z1) - Blue
DXZ1 - spectrum Green
DYZ3 - spectrum Red

INTERPRETATION

Fluorescence In Situ Hybridization (FISH) of direct harvesting of Peripheral Blood with no evidence for aneuploidy of chromosomes 13, 18, 21, and normal male sex chromosomes in any of the interphase cells scored.

REFERENCES

1. An International System for Human Cytogenetic Nomenclature (2020). Karger Publishers.
2. Human Cytogenetics: Constitutional Analysis. A Practical Approach. Third Edition, Edited by Denise Rooney.

Note: Kindly note that aneuploidy of other chromosomes, structural abnormalities have not been ruled out by this analysis.

DISCLAIMER

1. FISH is a spatial detection and quantification of cellular DNA only and not meant for cell free DNA.
2. FISH is limited to labeling of the complete set of 24 different chromosomes and derived from the 24 chromosomes, and detection of structural and numerical aberrations.
3. The clinical interpretation of any test results is made in conjunction with other diagnostic procedures and patient medical history.
4. This test is not going to provide information about any other chromosomes /loci not listed in the report.
5. A negative report does not exclude the presence of other chromosomal alterations other than that tested.

FISH results should be evaluated in the context of the patient's medical history and other lab reports.