

**PATIENT DETAILS****FLUORESCENT IN SITU HYBRIDIZATION (FISH)****CYTOGENETICS DEPARTMENTS REFERENCE ID**

CYG - 25 -PB- 389

**TEST REQUESTED**

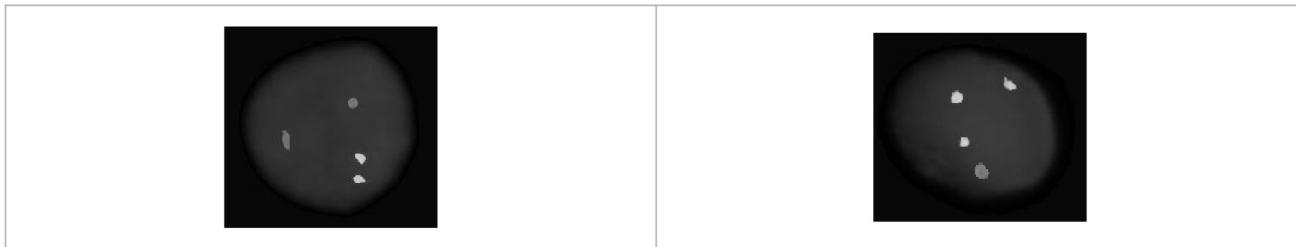
POSTNATAL - 5 MARKER

**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)<br>FISH for five markers (13, 18, 21 and sex chromosomes) | chromosome 21 = 3%<br>chromosome 18 = 2%<br>chromosome 13 = 2%<br>Sex chromosome = 2% | 200         |

**RESULTS TABLE**

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

**FISH IMAGES**

**PATIENT DETAILS**

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 sample with no evidence for aneuploidy of chromosomes 13, 18, 21, and 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. \*\*\* End Of Report \*\*\*
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.

Approved by  
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