



ISO 9001 : 2008 CERTIFIED LAB

KOS Diagnostic Lab

(A Unit of KOS Healthcare)



Dr. Vinay Chopra
MD (Pathology & Microbiology)
Chairman & Consultant Pathologist

Dr. Yugam Chopra
MD (Pathology)
CEO & Consultant Pathologist



Mrs. PRIYA
AMBALA, CHEMBUR
Tel No : 8607344999
PIN No: 133001
PID NO: P542200295236
Age: 25.0 Year(s) Sex: Female

Reference: Dr.VINAY KUMAR CHOPRA
Sample Collected At:
Dr Vinay Kumar Chopra
Kos Diagnostic Lab, 6349/i, Nicholson Road, Ambala Cantt, Hry 133001.
Processing Location:- Metropolis Healthcare Ltd,unit No409-416,4th Floor,commercial Building-1,kohinoor Mall,mumbai-70

VID: 220054000273900
Registered On:
03/03/2023 09:07 PM
Collected On:
03/03/2023 9:08PM
Reported On:
15/03/2023 07:38 PM

FISH for Aneuploidy in POC - Chromosomes 13,18,21, X,Y

INTERNAL LAB NO. 735-23-F

Dr. Talat Khan
MD PATHOLOGY

Ms. Deepali.Gawde
Analyst Medical Genetics Metropolis-Mumbai.

NOTE:

This Sample was outsourced



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Trisomy for Chromosome 13, 18, 21, X, Y By FISH POC

SPECIMEN : Products of conception
FISH INVESTIGATION FOR METHOD : Aneuploidy detection of chromosome 13,18,21, X and Y.
: Fluorescence in situ hybridization (FISH) was performed using fluorescent probes on cells obtained from short planned cultures. The analysis was done on an Olympus BX43 fluorescent microscope with appropriate filters using the Applied Spectral Imaging Software.
PROBE(S) USED : ZytoLight Aneuploidy Panel SPEC 13/CEN 18/SPEC 21/ CEN X/Y.

RESULTS:	
TEST	RESULT

INTERPRETATION : FISH studies revealed Normal diploid status for chromosomes 13, 18, 21 in 100% of the cells analysed.
FISH studies revealed 2 cell lines for Sex chromosome : 36 cells showed XX sex chromosome and 14 cells showed XY sex chromosomes.
FISH RECOMMENDATION(S) : Kindly correlate clinically. In view of history provided and present findings, couple Karyotype (if not done) is suggested. For any queries please feel free to contact at Department of Medical Genetics on 022-43560767.

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Note:

- FISH is performed on the tissue that has been provided to the laboratory.
- FISH is used as an adjunct to conventional karyotyping and rules out the most common chromosomal abnormalities i.e. Trisomy of chromosomes 13, 18, 21 and numerical sex chromosome disorders. The accuracy of this test is 99%.
- The report should be correlated with the clinical history and routine fetal scan by USG.
- The results are not to be used as sole means for clinical diagnosis or patient management decisions.
- Whenever the FISH results show presence of XX sex chromosome pattern then there is likely possibility of presence of maternal decidua. Possibility Of placental mosaicism/ maternal contamination though small cannot be ruled out. Maternal cell populations may be increased in culture and therefore result in misdiagnosis (Rodgers et al, 1996).

Test Indication: Aneuploidy detection by FISH on products of conception sample is indicated in cases of bad obstetric history, recurrent pregnancy loss, abnormal prenatal diagnosis results, and/or abnormal USG findings or as deemed by the referring physician.

Cut Off Values: The cut off for numerical and structural abnormalities for chromosomes 13, 18, 21 and sex chromosomes in normal individuals is 5%.

Limitation of Assay:

- FISH is a rapid and precise molecular diagnostic technique that identifies only probe specific numerical disorders.
- Structural abnormalities like translocations, deletions, duplications and abnormalities of other chromosomes, single gene disorders related to birth defect cannot be ruled out by FISH.
- Turbid and contaminated samples, samples with very low cell count and poor cell viability may yield either poor quality hybridization or unsuccessful test results.

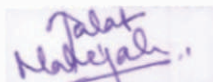
References:

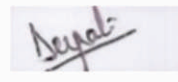
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-- End of Report --



Tests marked with NABL symbol are accredited by NABL vide Certificate no MC-2139; Validity till 01-06-2024


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