

KOS Diagnostic Lab

(A Unit of KOS Healthcare)





Mr. MAAN SINGH

AMBALA, AMBALA, AMBALA

Tel No: 8607344999 PIN No: 133001

PID NO: P542100944222 Age: 38.0 Year(s) Sex: Male 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 No. 409-416, 4th

Floor, Commercial Building-1, Kohinoor Mall, Mumbai-70 VID: 542133200043352

Registered On: 24/03/2022 03:33 PM Collected On: 26/03/2022 3:11AM

Reported On: 14/04/2022 09:01 PM



Karyotyping by G-Banding Peripheral Blood

INTERNAL LAB NO. 2473-22-K

CULTURE METHOD 72-hour stimulated cultures were put up with appropriate mitotic agents.

BANDING METHOD(S) GTG-Banding with Trypsin & Giemsa with 450-550 bands pattern (ISCN-

2016).

CLINICAL INDICATION(S) Not Available

NO.OF CELLS COUNTED 20

NO.OF CELLS ANALYZED 20

NO.OF CELLS KARYOTYPED 10

KARYOTYPE RESULT 46,XY

INTERPRETATION Normal Karyotype.

COMMENTS No numerical or structural abnormalities detected at the band resolution

achieved.

RECOMMENDATION(S) Kindly correlate clinically. Detailed medical history is required to opine on

and necessity of other genetic test recommendation if any. For any queries please feel free to contact at Department of Medical Genetics on 022-

43560767.

Karyotype analysis detects all numerical and gross structural anomalies within the limits of the assay procedure. Microdeletions, microduplications, single gene disorders and low grade mosaicismhowever would not be ruled out. FISH/CMA/Molecular studies are recommended for the same. Clinical correlation is advised.

Note: Importance of Clinical Indicatons

- 1. Clinical details/history findings including age and sex of patient are important for accurate selection of culture method
- 2. Clinical details to be provided in the form of ultrasound information / phenotypic features / family history, etc.
- 3. For investigation of mosaicism which requires screening of large number of metaphase cells.
- To target analysis for a particular chromosome in the form of high resolution banding.
- 5. For recommendation of further investigation eg: FISH, Molecular Genetics Studies. Genetics abnormalities like single gene / polygenic disorders, microdeletions, subtle rearrangements, low grade mosaicism may not be detected by G-Band Karyotyping and may require more sensitive testing like FISH and Chromosomal Microarray.

Ms. Gauri Pradhan Operation Head-Dept. of Medical Genetics, Metropolis- Mumbai

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NOTE:

This Sample was outsourced



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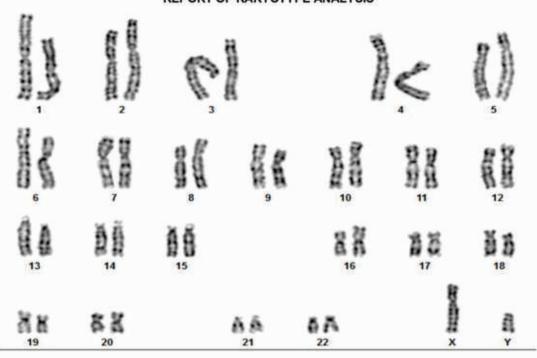
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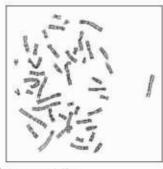
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REPORT OF KARYOTYPE ANALYSIS



KARYOTYPE RESULT : 46,XY

BAND RESOLUTION : 550



Note: Results are interpreted on basis of all metaphases analyzed. This Karyotype is only a representation

-- End of Report --



Tests marked with NABL symbol are accredited by NABL vide Certificate no MC-2139

Ms. Gauri Prachage 2 of 2 Operation Head-Dept. of Medical Genetics, Metropolis- Mumbai

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