220054000133163

**Mr. PANKAJ PANKAJ**
AMBALA ,V.P.O.BALLANA
NEAR GOVT SCHOOL, AMBALA
Tel No : 9781953307
PIN No: 134003
PID NO: P542200159344
Age: 35.0 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: 220054000133163**
Registered On:
27/08/2022 06:13 PM
Collected On:
27/08/2022 6:13PM
Reported On:
07/09/2022 07:36 PM

## Karyotyping by G-Banding Peripheral Blood

| | |
|---|---|
| **INTERNAL LAB NO.** | 7400-22-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-2020) |
| **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.
4. 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.

**Dr. Talat Khan**
MD PATHOLOGY

**Dr. G Renjini Nambiar**
M.Sc.,Ph.D.,
Sr Consultant, Medical Genetics
Metropolis - Mumbai



**NOTE:**
***This Sample was outsourced***

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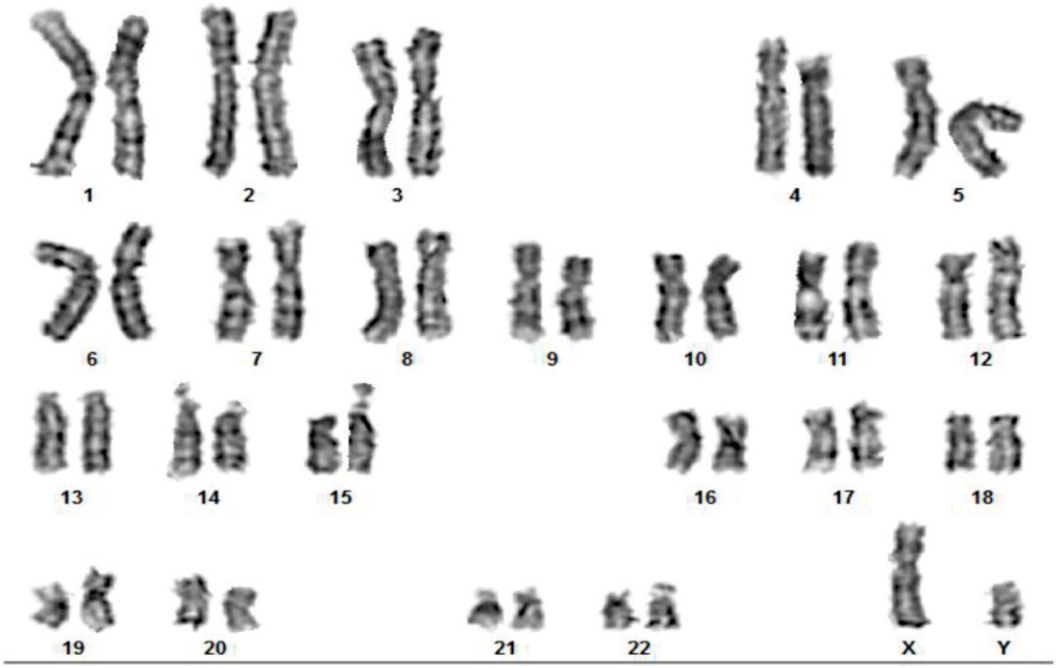
## REPORT OF KARYOTYPE ANALYSIS




**KARYOTYPE RESULT** : 46,XY

**BAND RESOLUTION** : 550 bphs

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

**-- End of Report --**

MC-2139

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

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