



**Mrs. ALIEZA**  
AMBALA,AMBALA, AMBALA  
Tel No : 9996052899  
PIN No: 133001  
PID NO: P542100925002  
Age: 35.0 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 No. 409- 416, 4th  
Floor, Commercial Building-1, Kohinoor  
Mall, Mumbai-70

**VID: 542133200043342**  
Registered On:  
07/03/2022 04:23 PM  
Collected On:  
09/03/2022 1:39PM  
Reported On:  
24/03/2022 08:48 PM

### Karyotyping by G-Banding Peripheral Blood

<b>INTERNAL LAB NO.</b>	1961-22-K
<b>CULTURE METHOD</b>	72-hour stimulated cultures were put up with appropriate mitotic agents.
<b>BANDING METHOD(S)</b>	GTG-Banding with Trypsin & Giemsa with 450-550 bands pattern (ISCN-2016).
<b>CLINICAL INDICATION(S)</b>	H/O 3 Abortions
<b>NO.OF CELLS COUNTED</b>	20
<b>NO.OF CELLS ANALYZED</b>	20
<b>NO.OF CELLS KARYOTYPED</b>	10
<b>KARYOTYPE RESULT</b>	46,XX
<b>INTERPRETATION</b>	Normal Karyotype.
<b>COMMENTS</b>	No numerical or structural abnormalities detected at the band resolution achieved.
<b>RECOMMENDATION(S)</b>	Kindly correlate clinically. Inview of history provided and advanced maternal age preconceptional, prenatal Genetic counselling (Test code G0078) is strongly recommended. 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 mosaicism however would not be ruled out. FISH/CMA/Molecular studies are recommended for the same. Clinical correlation is advised.

#### Note: Importance of Clinical Indications

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.

**Mr. Dhananjay Pathak**  
M. Sc.  
Analyst, Medical Genetics,  
Metropolis - Mumbai



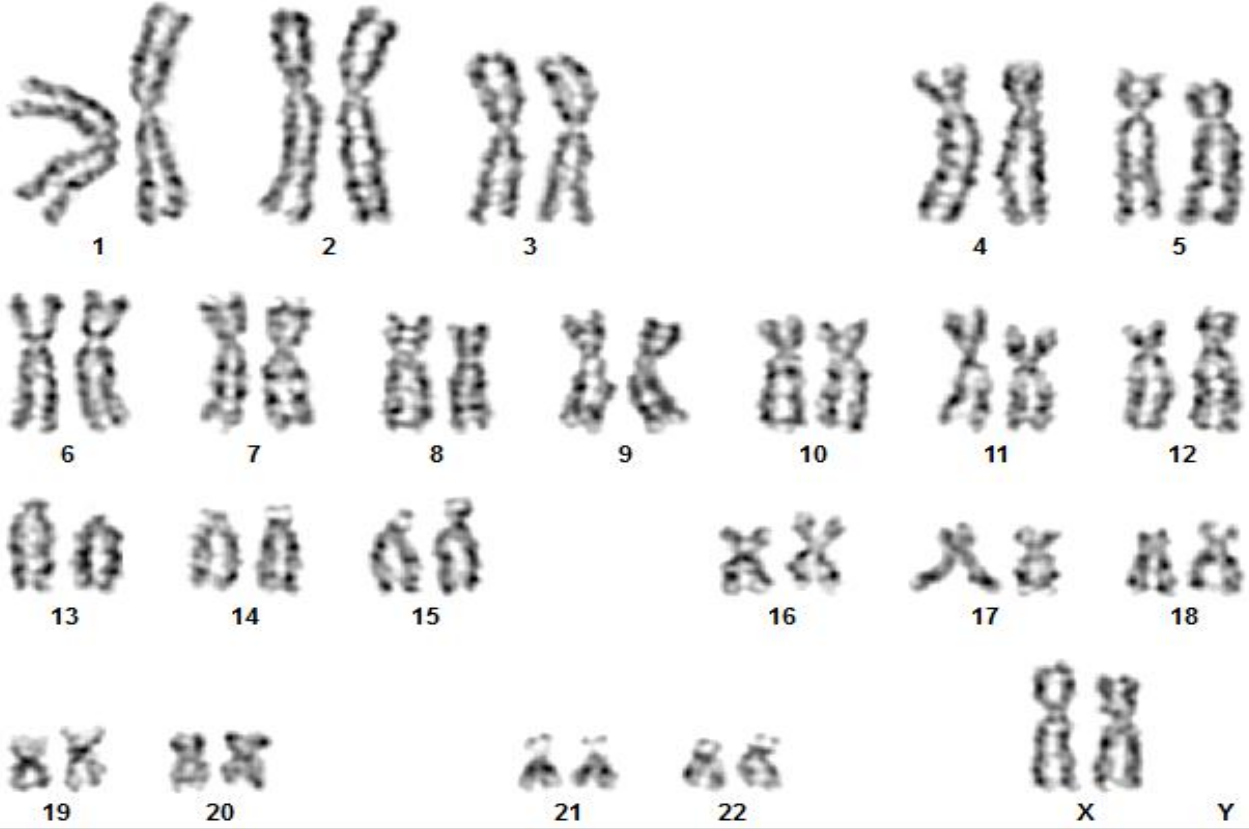
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**REPORT OF KARYOTYPE ANALYSIS**



**KARYOTYPE RESULT : 46,XX**  
**BAND RESOLUTION : 500**



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

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 Metropolis - Mumbai