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

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

LABORATORY REPORT

Name	:Mr. SUNIL KUMAR	Sex/Age	: Male/34 Years	Case ID	:30300114693
Ref By	:	Dis.Loc.	:	Pt ID	:
Bill. Loc.	:Neuberg Diagnostics Pvt Ltd Delhi			Pt. Loc.	:
Registration Date & Time	: 11-Mar-2023 11:03	Sample Type	: Heparin Whole Blood - Na	Ph #	:
Sample Date & Time	: 11-Mar-2023 11:03	Sample Coll.By	:	Ref Id	: NDPL - DELHI
Report Date & Time	: 27-Mar-2023 15:32	Acc. Remarks	:	Ref Id 2	: 2155147840

Chromosome Analysis Report

Clinical History	--

Karyotype (ISCN-2020)	**46,XY,inv(1)(p13q42)**

Interpretation	The proband has **46,XY,inv(1)(p13q42)** karyotype indicating pericentric inversion in p13 and q42 region of chromosome 1. Kindly correlate clinically.

Banding Method	: GTG	**Culture type**	: 72hrs PHA stimulated
Banding Resolution	: 550	**Metaphases Analyzed**	: 20
Metaphases Counted	: 20	**Metaphases Karyotyped**	: 20
Proliferative Index	: Good	**Quality of Metaphase**	: Good

For specimens received from non NCGM locations, it is presumed that it belongsto the patient as identified on the labels of the container/Test Requisition Formand it has been verified as per GCLP (Good Clinical Lab Practices) by the referrer atthe time of collection of the specimen. NCGM's responsibility is limited to theanalytical part of the assay performed.

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Page 1 of 5

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Karyotype

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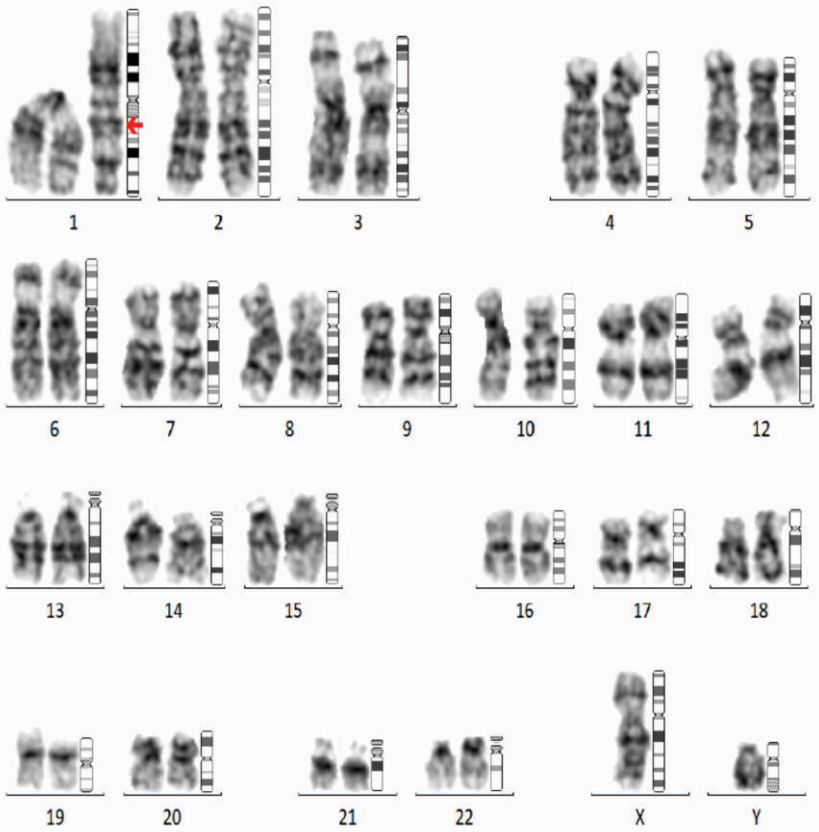

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Metaphase

Limitations

The error rate of the test is 0.5%. The normal report does not rule out minor chromosomal anomalies, mosaicism, malformation, fragile X syndrome and other genetic disorders. The report should be interpreted in accordance with the counseling provided before the test and with the report.

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Cytogenetically visible polymorphic variants include variants involving heterochromatin (variant size), satellite size, pericentric inversions (heterochromatic or euchromatic regions) [e.g., 1qh+/qh-, 9qh+/qh-, 16qh+/qh-, acrocentric p+ or p-, Yqh+/qh-, inv(9)(p11q13), inv(2)(p11.2q13)] and also euchromatic variants (e.g., located on 4p16, 8p23.1, 9p12, 9q13-q21.12, 15q11.2, 16p11.2).

Reference: Silva, M., de Leeuw, N., Mann, K., Schuring-Blom, H., Morgan, S., Giardino, D., Rack, K. and Hastings, R., 2019. European guidelines for constitutional cytogenomic analysis. *European Journal of Human Genetics*, *27*(1), pp.1-16.

---------- End Of Report ----------

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