



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

## LABORATORY REPORT



Name : Master TAVNEET	Sex/Age : Male/13 Years	Case ID : 40621601338
Ref By : DR. VINAY CHOPRA	Dis. Loc. :	Pt ID :
Bill. Loc. : KOS DIAGNOSTIC LAB		Pt. Loc. :
Registration Date & Time : 10-Jun-2024 11:46	Sample Type : Heparin Whole Blood - Na	Ph # :
Sample Date & Time : 10-Jun-2024 11:46	Sample Coll. By :	Ref Id :
Report Date & Time : 19-Jun-2024 00:24	Acc. Remarks :	Ref Id 2 :

## Chromosome Analysis Report

<b>Clinical History</b>	No clinical history available.
<b>Karyotype</b> (ISCN Nomenclature 2020)	<b>47,XY,+21</b>
<b>Interpretation</b>	The proband has <b>47,XY,+21</b> karyotype indicating trisomy of chromosome 21, which can lead to Down Syndrome. Kindly correlate with clinical symptoms.
<b>Recommendation</b>	Genetic Counselling is Recommended.

<b>Banding Method</b>	: GTG	<b>Culture Type</b>	: 72hrs PHA stimulated
<b>Banding Resolution</b>	: Approx 550	<b>Metaphases Counted</b>	: 20
<b>Metaphases Analyzed</b>	: 20	<b>Metaphase Karyotyped</b>	: 20
<b>Proliferative Index</b>	: Good	<b>Quality of Metaphases</b>	: Good

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

**Dr. Samarth S. Bhatt**  
Ph.D, EU Dip in  
Mol. Cytogenetics

Page 1 of 4

Printed On : 25-Jun-2024 10:37





ISO 9001 : 2008 CERTIFIED LAB

# KOS Diagnostic Lab

(A Unit of KOS Healthcare)



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

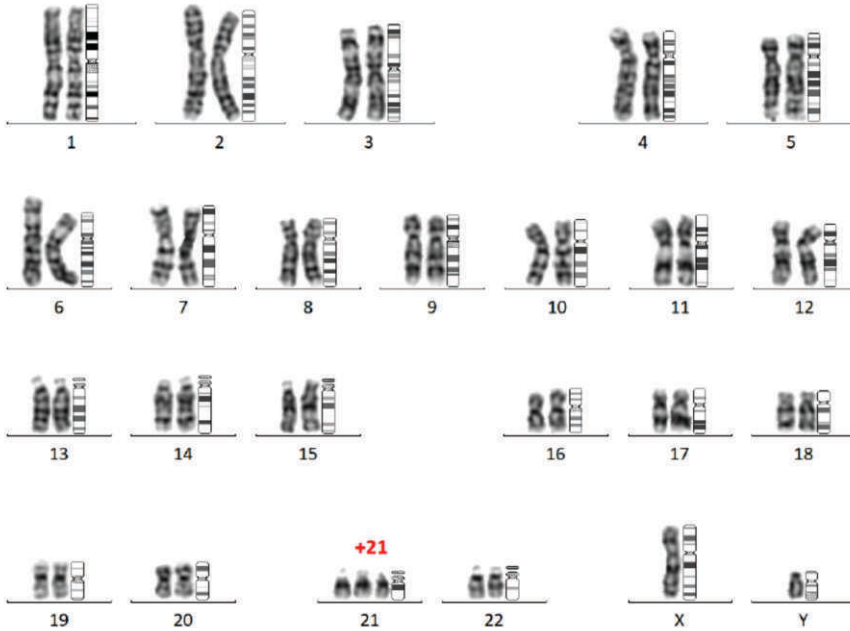
**Dr. Yugam Chopra**  
MD (Pathology)  
CEO & Consultant Pathologist

## LABORATORY REPORT



Name : Master TAVNEET	Sex/Age : Male/13 Years	Case ID : 40621601338
Ref By : DR. VINAY CHOPRA	Dis. Loc. :	Pt ID :
Bill. Loc. : KOS DIAGNOSTIC LAB		Pt. Loc. :
Registration Date & Time : 10-Jun-2024 11:46	Sample Type : Heparin Whole Blood - Na	Ph # :
Sample Date & Time : 10-Jun-2024 11:46	Sample Coll. By :	Ref Id :
Report Date & Time : 19-Jun-2024 00:24	Acc. Remarks :	Ref Id 2 :

### Karyogram and Metaphase



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

**Dr. Samarth S. Bhatt**  
Ph.D, EU Dip in  
Mol. Cytogenetics

Page 2 of 4

Printed On : 25-Jun-2024 10:37





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

### LABORATORY REPORT



Name	:Master TAVNEET	Sex/Age	: Male/13 Years	Case ID	:40621601338
Ref By	:DR. VINAY CHOPRA	Dis. Loc.	:	Pt ID	:
Bill. Loc.	:KOS DIAGNOSTIC LAB			Pt. Loc.	:
Registration Date & Time	: 10-Jun-2024 11:46	Sample Type	: Heparin Whole Blood - Na	Ph #	:
Sample Date & Time	: 10-Jun-2024 11:46	Sample Coll.By	:	Ref Id	:
Report Date & Time	: 19-Jun-2024 00:24	Acc. Remarks	:	Ref Id 2	:

### Limitation

The error rate of the test is 0.5%. The normal report does not rule out very Low grade mosaicism, minor chromosomal anomalies, and deletion, Duplication or Inversion at very subtle level. The report should be interpreted in accordance with the counselling provided before the test and with the report. A standard G-banded Karyotype usually has a resolution of around 5 Mb.

### Disclaimer

Polymorphic variants have not been reported as these variants are not associated with specific disease or phenotype. 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.

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

**Dr. Samarth S. Bhatt**  
Ph.D, EU Dip in  
Mol. Cytogenetics

Page 3 of 4

Printed On : 25-Jun-2024 10:37



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

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

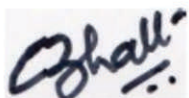
**LABORATORY REPORT**



Name	:Master TAVNEET	Sex/Age	: Male/13 Years	Case ID	:40621601338
Ref By	:DR. VINAY CHOPRA	Dis. Loc.	:	Pt ID	:
Bill. Loc.	:KOS DIAGNOSTIC LAB			Pt. Loc.	:
Registration Date & Time	: 10-Jun-2024 11:46	Sample Type	: Heparin Whole Blood - Na	Ph #	:
Sample Date & Time	: 10-Jun-2024 11:46	Sample Coll.By	:	Ref Id	:
Report Date & Time	: 19-Jun-2024 00:24	Acc. Remarks	:	Ref Id 2	:

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

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



**Dr. Samarth S. Bhatt**  
Ph.D, EU Dip in  
Mol. Cytogenetics

Page 4 of 4

Printed On : 25-Jun-2024 10:37

