

NAME: <b>Baby. ARISHA</b>	Accession No.:	111261
Age/Gender: 5 M/Female	Specimen ID:	BC2400992
Lab NO: 012410070031	Specimen:	Whole Blood HEPARIN
Referred BY: Dr. Vinay Chopra	Collected:	07/Oct/2024 12:01PM
Remark:	Registered:	07/Oct/2024 11:59AM
	Reported:	26/Oct/2024 02:11PM

## CYTOGENETICS REPORT

Test Name:Karyotype - Blood

### CLINICAL INDICATION:

? Down's Syndrome

### RESULT:

Method:	G-banding
Metaphases counted:	20
Metaphases analyzed:	20
Metaphases karyotyped:	20
Banding Resolution:	400
Karyotype (ISCN 2016):	47, XX,+21

### INTERPRETATION:

This karyotype shows three copies of chromosome 21 (Trisomy 21) in all metaphases examined. Trisomy 21 is associated with features of Down syndrome. This finding is consistent with a clinical diagnosis of Down syndrome [MIM #190685]. Down syndrome is one of the most common chromosomal abnormalities in live born children and has a well-defined clinical presentation, including distinctive facial features and mild to moderate intellectual disability. Individuals with Down syndrome may also have congenital malformations of the heart and/or gastrointestinal tract and conductive hearing loss.

### RECOMMENDATION:

Due to the occurrence of one child with trisomy in this family, prenatal chromosome analysis should be offered for any future pregnancy of these parents. In addition, a genetic evaluation is recommended for this individual and genetic counseling is recommended for this family.



**Tara Nath**  
Quality Manager



**Mr. Brijesh**  
Authorised Signatory  
PhD(P)



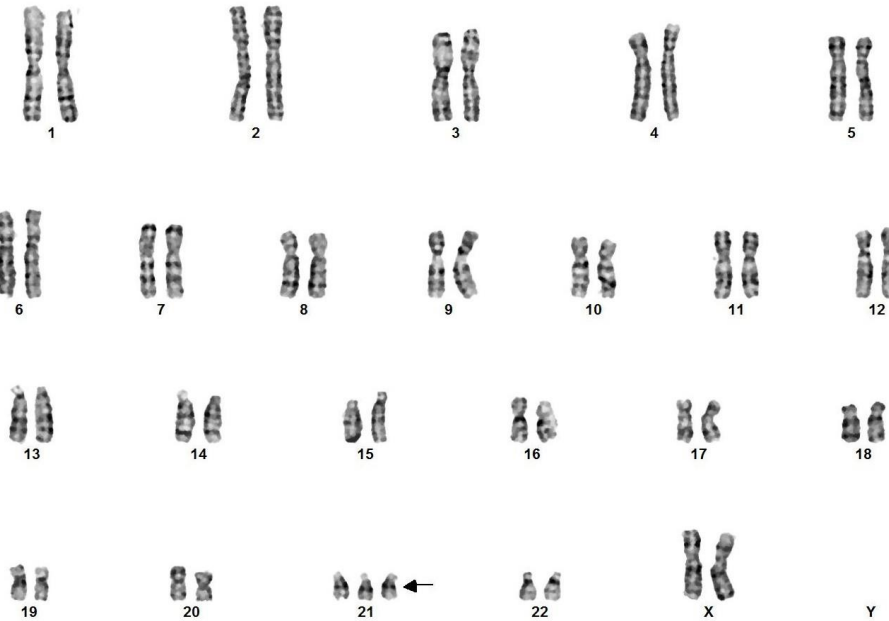
**DR. S. KUMAR**  
MBBS, MD  
Consultant Pathologist



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### CYTOGENETICS REPORT

#### KARYOTYPE:





**Disclaimer:** Although the methodology used in this analysis and interpretation is highly accurate, it does not detect small rearrangements and very low-level mosaicism, which are detectable only by molecular methods. Failure to detect an alteration at any locus does not exclude the diagnosis of any of the disorders. LABASSURE can assist the physician in determining the appropriate test in the context of clinical indications. This report has been reviewed and electronically signed by:

\*\*\* End Of Report \*\*\*

**NOTE :- SAMPLE WAS OUTSOURCED.**

  
**Tara Nath**  
 Quality Manager

  
**Mr. Brijesh**  
 Authorised Signatory  
 PhD(P)

  
**DR. S. KUMAR**  
 MBBS, MD  
 Consultant Pathologist

