

Patient Name: Sample Patient
Referring Physician: John Doe, M.D.
Specimen #: 10000000
Patient ID: 20000000-1

Client #: 12345

DOB: 00/00/1995
SSN: ***-**-****

Date Collected: 09/19/2012
Date Received: 09/20/2012
Lab ID:
Hospital ID:
Specimen Type: **Peripheral Blood**

City Hospital
1 Main Street
Anywhere, USA

Indication: Amenorrhea

Metaphases Counted: 20
Metaphases Analyzed: 5
Metaphases Karyotyped: 2

Number of Cultures: 2

Banding Technique: GTW
Banding Resolution: 550
Dept. Section: B1

RESULTS: 45,XX,der(13;14)(q10;q10)
Translocation karyotype, female

INTERPRETATION:

Cytogenetic analysis shows an apparently balanced Robertsonian translocation between the long arms of one chromosome 13 and one chromosome 14.

A balanced rearrangement carried by a parent can result in unbalanced gametes, and can lead to decreased fertility, miscarriage, or chromosomally abnormal offspring.

RECOMMENDATION:

Prenatal diagnosis (including UPD analysis, when appropriate) should be offered in future pregnancies, and blood chromosome analysis should be offered to family members who could also be carriers.

Genetic counseling is recommended for this family.

COMMENT:

No other chromosome abnormalities are observed. The standard cytogenetic methodology utilized in this analysis does not routinely detect subtle rearrangements or low-level mosaicism and cannot detect microdeletions. Also, it cannot detect molecular cytogenetic abnormalities (such as microdeletions and microduplications) that may be detectable by microarray analysis.

Integrated Genetics is a business unit of Esoterix Genetic Laboratories, LLC, a wholly-owned subsidiary of Laboratory Corporation of America Holdings.

Signed:

Date: 09/27/2012

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