

Date Reported: Monday, October 16, 2017

Cell Line Gender: Female

Cell Line: BIHI004 A2

Reason for Testing: Checking

Passage#: 55

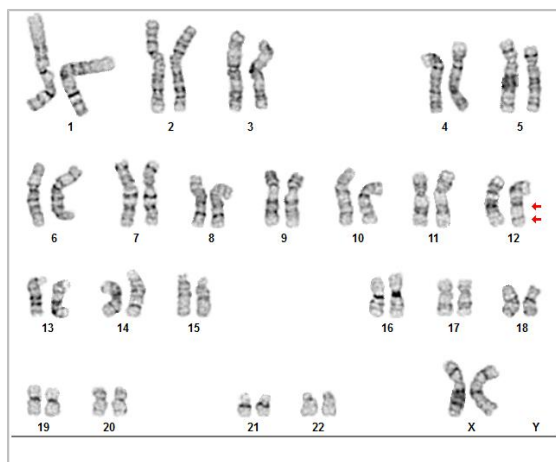
Date of Sample: 10/6/2017

Investigator: Laurence Daheron, Harvard

Specimen: Human IPS

Results: 46,XX,inv(12)(q22q24.3)[19]

Nonclonal findings: 46,XX,dup(9)(q22q32),inv(12)(q22q24.3)



Cell: 6

Slide: G02

Slide Type: Karyotype

Total Counted: 20

Total Analyzed: 8

Total Karyogrammed: 4

Band Resolution: 375 - 450

Interpretation:

This is an abnormal karyotype. There is an apparently balanced paracentric inversion in the long (q) arm of chromosome 12 in twenty of twenty cells that were examined. Comparison of this karyotype with the karyotype of the source (parental) specimen may be informative regarding the significance and origin of this abnormality.

No other clonal abnormalities were found. There is one nonclonal finding, listed above. Nonclonal findings likely result from technical artifact, but may be due to a developing clonal abnormality or to low-level mosaicism.

Completed by: Erik McIntire, CG(ASCP)

Reviewed and Interpreted by: Karen Dyer Montgomery, PhD, FACMG

A signed copy of this report is available upon request.

Date: _____ **Sent By:** _____ **Sent To:** _____ **QC Review By:** _____

Limitations: This assay allows for microscopic visualization of numerical and structural chromosome abnormalities. The size of structural abnormality that can be detected is >3-10Mb, dependent upon the G-band resolution obtained from this specimen. For the purposes of this report, band level is defined as the number of G-bands per haploid genome. It is documented here as "band level", i.e., the range of bands determined from the four karyograms in this assay. Detection of heterogeneity of clonal cell populations in this specimen (i.e., mosaicism) is limited by the number of metaphase cells examined, documented here as "# of cells counted".

This assay was conducted solely for listed investigator/institution. The results may not be relied upon by any other party without the prior written consent of the Director of the WiCell Cytogenetics Laboratory. The results of this assay are for research use only. If the results of this assay are to be used for any other purpose, contact the Director of the WiCell Cytogenetics Laboratory.

Unless otherwise mutually agreed in writing, the services provided to you hereunder by WiCell Research Institute, Inc. ("WiCell") are governed solely by WiCell's Terms and Conditions of Service, found at www.wicell.org/privacyandterms. Any terms you may attach to a purchase order or other document that are inconsistent, add to, or conflict with WiCell's Terms and Conditions of Service are null and void and of no legal force or effect.