

Date Reported: Saturday, April 1, 2023

Cell Line: BU3 AG E690K_13

Submitted Passage #: P50

Date of Sample: 3/23/2023

Specimen: Human IPSC

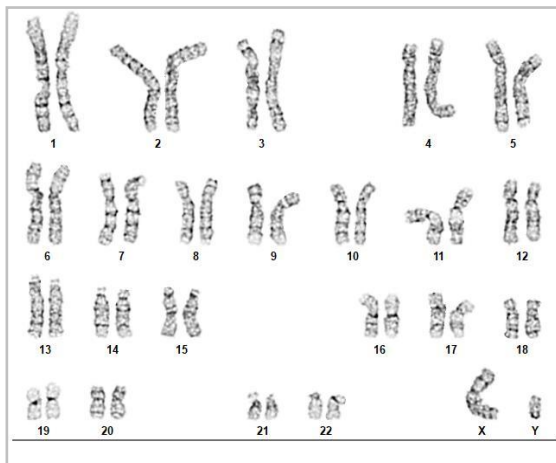
Results: 46,XY

Cell Line Sex: Male

Reason for Testing: Karyotype analysis

Investigator: Marianne James, Boston University

Nonclonal findings: 47,XY,+8 47,XY,+12



Cell: 57

Slide: G01

Slide Type: Karyotype

Total Counted: 40

Total Analyzed: 8

Total Karyogrammed: 4

Band Resolution: 450 - 475

Interpretation:

This is a normal karyotype; no clonal abnormalities were detected at the stated band level of resolution.

There are nonclonal findings, listed above, both of which contain chromosomal aberrations (gain of chromosome 8 and gain of chromosome 12) recurrently acquired in pluripotent stem cell cultures. An additional twenty cells were examined for these chromosomal aberrations; they were not observed. Nonclonal findings may result from technical artifact, but may be due to a developing clonal abnormality or to low-level mosaicism.

Completed by: Jennifer Pecos, CG(ASCP)

Reviewed and Interpreted by: Xiangqiang Shao, PhD

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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".

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