

Stem cell clone HEL350.3 p13
HUS Laboratory of Genetics ID: G25-17997

KARYOTYPE: mos 46,XX,idic(20)(qter->p11.1::p11.1->qter)[17]/46,XX[3]

RESULT: The karyotype is abnormal.

The studied stem cell line is mosaic for two different cell lines. In the majority (17/20) of the analyzed cells, a structurally abnormal chromosome 20 is detected. This abnormal isodicentric chromosome 20, idic(20), replaces one normal chromosome 20. The long (q) arm of chromosome 20 and the centromere are duplicated and the duplicated segments are attached to each other from chromosomal region 20p11.1 in reversed orientation. The resulting net imbalance of this abnormality is gain of the long arm of chromosome 20 and loss of the short (p) arm of chromosome 20 distal to 20p11.1. In three cells (3/20), the karyotype is normal 46,XX.

METHOD: The karyotype was analyzed from cultured stem cell clone HEL350.3 p13. The analysis contained 20 analyzed mitotic cells (G-band analysis, 300-400 bands / haploid chromosome number, ISCN 2020).

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Virpi Laitinen,
Clinical Laboratory Geneticist (ErCLG), PhD

Consulted: Sini Penttilä, Clinical Laboratory Geneticist, PhD