



CytoSure™

Chromosome X (ChrX) exon specific array

High resolution detection of abnormalities on the X chromosome

CytoSure arrays

The only oligonucleotide microarrays designed exclusively for the cytogenetics research community providing

- enhanced detection of chromosomal abnormalities due to denser coverage of clinically relevant regions using optimal length 60mer oligonucleotides
- complimentary visualisation software based on the latest build (36 NCBI) of the human genome incorporating Copy Number Variation, gene and exon annotation to ease data interpretation and build confidence

Achieve accurate, high resolution analysis of chromosome copy number and structural changes

In cytogenetics, array CGH (aCGH) is increasingly being used for the identification of chromosomal aberrations associated with a number of related genetic disorders at a higher resolution than conventional non-array methods.

CytoSure ChrX array is a 44k feature oligonucleotide microarray providing high resolution across the X chromosome. OGT's unique design provides comprehensive coverage of all the predicted genes, open reading frames, predicted miRNAs and rRNA genes on the X chromosome. Oligonucleotide probe position is biased towards gene exons with multiple probes designed to each gene. The array also includes control probes for chromosome 16 and 21.

The 60mer oligonucleotide microarrays are fabricated using inkjet technology, featuring high-precision feature placement through base-by-base synthesis.

For analysis of results CytoSure visualisation software provides accurate views of copy number changes relative to genomic position.



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Specifications

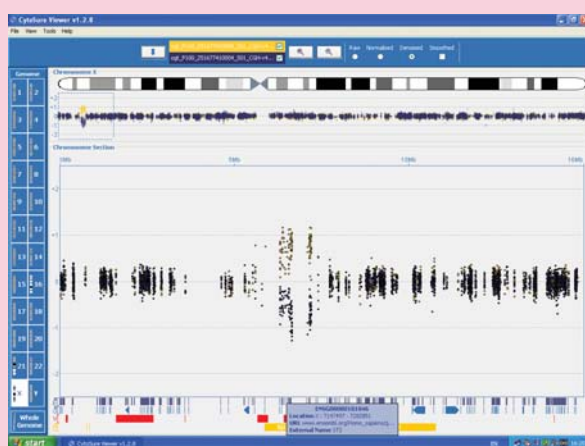
CytoSure ChrX arrays are supplied with a CD-ROM containing

- pdf protocol booklets for use with Agilent and Tecan hybridisation chambers
- Material Safety Data Sheet (MSDS)
- complimentary access to CytoSure visualisation software

CytoSure ChrX arrays are supplied at 44k density in three slide formats

Format	Product code
1x44k	020013
2x44k	020014
4x44k	020015

To help customers to adopt and use OGT microarrays, the company offers introductory aCGH training courses and full technical support. For further information please contact us.



Deleted region

Using the X chromosome (exon specific) array, an approximate 1.5Mb deletion has been identified including the STS gene.

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