CytoSure

A Sysmex Group Company

Custom Designed aCGH Arrays

Features

CytoSure Custom arrays deliver:

- Complete confidence in the design of your array
- Flexible array content and format
- Fast and easy data interpretation

CytoSure

Custom Designed aCGH Arrays

Focused custom aCGH arrays designed by the microarray experts

CytoSure® Custom arrays allow you to benefit from OGT's extensive array design expertise to produce an array matching your precise specifications. These arrays are ideal if you want to know the precise coordinates of an aberration by analysing specific areas of the genome at high resolution.

Complete confidence in the design of your array

OGT have designed hundreds of custom arrays for some of the world's leading researchers. All probes are in-silico optimised and optional empirical validation of the array content ensures optimal performance. Your project will be managed by one of our experienced bioinformaticians who, after extensive consultation, will create your bespoke array. Once your array has been created, the design can be viewed using the UCSC Genome Browser giving you complete confidence in your design.

Flexible array content and format

CytoSure Custom arrays can be designed against any fully or partially sequenced genome as well as against sequencing data. The array content is selected from OGT's proprietary Oligome™ database — a database of more than 26 million oligonucleotide probes designed to the latest release of the human genome. In addition, OGT has extensively research-validated SNP content for detection of uniparental disomy (UPD) and loss of heterozygosity (LOH), which can be incorporated into the array design. CytoSure Custom arrays can be designed in a variety of formats depending on your desired level of focus, with 1, 2, 4, or 8 arrays available per slide to provide the most cost-effective solution for your research (Figure 1).

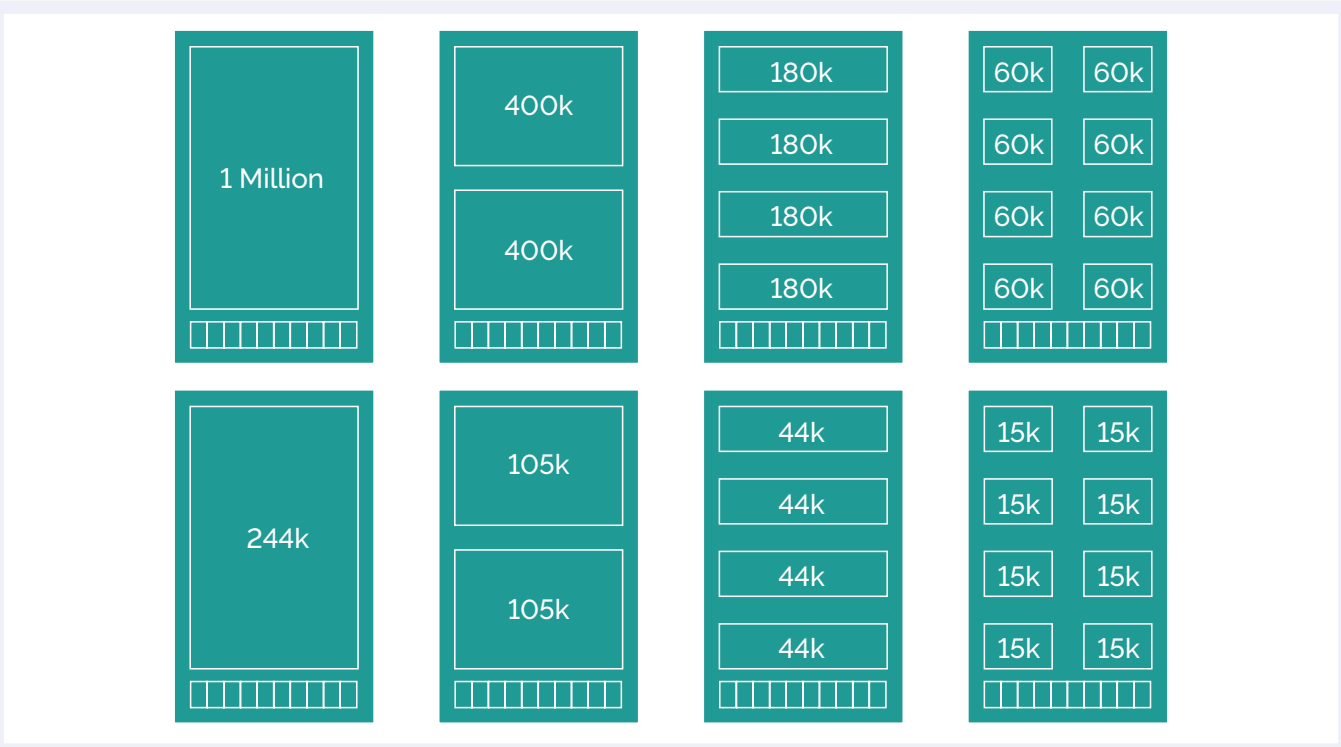

Figure 1: Multiple arrays on a single slide can reduce costs and improve consistency. Depending on your desired level of focus you can design 1, 2, 4, or 8 arrays per slide for maximum flexibility.

Fast and easy data generation

Our complimentary CytoSure Interpret Software, which accompanies all CytoSure arrays, is a powerful, easy-to-use package for the analysis of copy number variation (CNV) (Figure 2). Innovative features such as the Accelerate Workflow enable the automation of data analysis workflows, minimising the need for user intervention and maximising the consistency and speed of data interpretation. CytoSure Interpret Software also includes extensive annotation tracks covering syndromes, genes, exons, CNVs and recombination hotspots — each of which link to publicly available databases such as Decipher and the Database of Genomic Variants providing results in context.

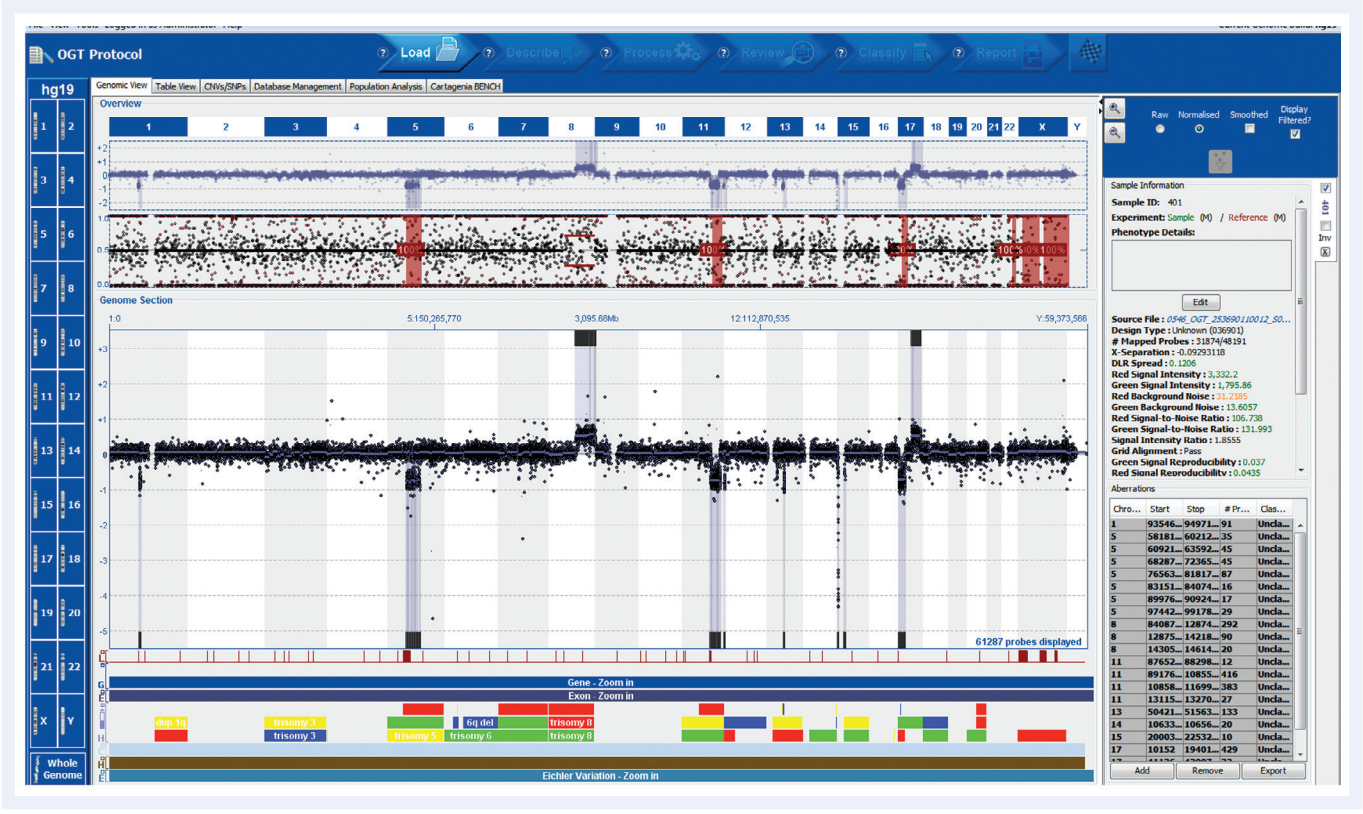

Figure 2: Automated aberration detection with CytoSure analysis software, showing clear detection of chromosomal abnormalities.

Ordering information

UK +44 (0) 1865 856800

US +1 914 467 5285

contact@ogt.com

ogt.com

Product	Contents	Cat. No.
CytoSure Custom Array	Microarray with a choice of formats	020018
CytoSure Genomic DNA Labelling Kit	24 reactions: clean-up columns, dyes, nucleotide mix, random primers, enzyme, collection tubes	020020
CytoSure HT Genomic DNA Labelling Kit	96 reactions: 2 purification plates, nucleotide mix, random primers, enzyme, collection tubes	500040
CytoSure Interpret Software	Class-leading analysis software. Complimentary with all array purchases	020022

A Sysmex Group Company

What binds us, makes us.

Oxford Gene Technology Ltd., Begbroke Science Park, Woodstock Road, Begbroke, Oxfordshire, OX5 1PF, UK