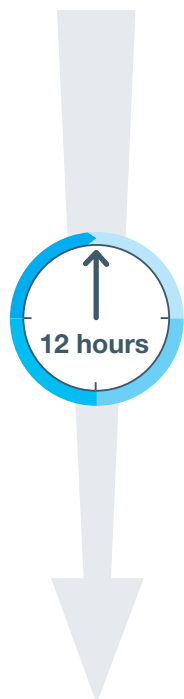
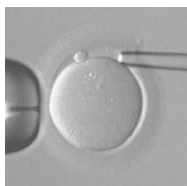


Single cell aneuploidy screening in 12 hours

24sure is a ground breaking technology which delivers reliable aneuploidy screening of 24 chromosomes in 12 hours from picograms of starting material. 24sure is available as a complete product solution and also as a service from BlueGnome's 24sure service center in Cambridge, UK.



Sample preparation

24sure has been validated for use with single cells, including polar bodies, blastomere and trophectoderm biopsies, in IVF applications.

SurePlex DNA amplification

BlueGnome's proprietary SurePlex DNA Amplification System delivers high DNA yields, with consistent representation of all sequences and low allele drop out, in 2 hours. The SurePlex protocol is easy to use and includes quality control of amplified products.

24sure labelling and hybridization

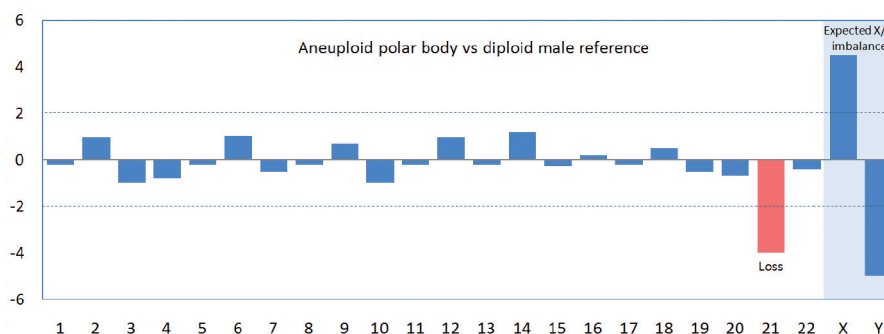
Highly optimised labelling and microarray technology enables parallel, independent measurements of genomic copy number imbalance at multiple loci on all 24 chromosomes.

Data analysis and reporting

Statistical algorithms specifically designed to detect aneuploidy provide fully automated high throughput analysis and reporting. In comparison with traditional cytogenetic and other microarray approaches 24sure delivers clear results which are straightforward to interpret.

24sure result

An example of a 24sure result displaying an aneuploid first polar body against a normal male reference genome. A loss on chromosome 21 is clearly visible.



Delivering Decisions from DNA



DNA amplification system

- PGS and single gene disorders
- High DNA yields after 2 hours
- Low allele dropout

Targeted microarrays

- Optimised BAC microarrays
- 2 sample per array format
- Wide range of starting materials

Complementary software

- Laboratory database
- Automated analysis
- QC and trend analysis

Labelling systems

- Quality controlled on arrays
- Convenient 16 reaction format
- COT DNA optionally available

Ordering information

All BlueGnome products are available to order from stock for immediate delivery.

The following 24sure arrays are currently available.

Description	Pack size	No. samples	Model No.
24sure	8 arrays, 4 units	8	4085-1

A complete range of consumables are available to order. All consumables are quality controlled in combination with CytoChip arrays in order to ensure consistent results.

Description	Pack size	No. samples	Model No.
SurePlex DNA Amplification System	50 reactions	50	4151-1
SureRef reference male DNA	64µl	8	4151-2
BlueFuse Multi database and analysis software	Site licence		4056-1
Fluorescent Labelling System [dCTP/24sure]	16 reactions	8	4133-1
COT Human DNA	0.2 mg	8	4131-5

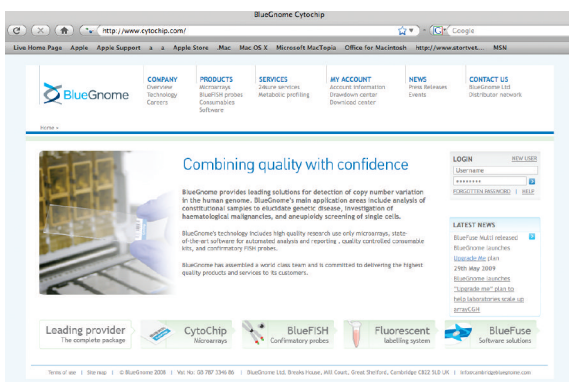
24sure service

24sure is also available on a service basis from BlueGnome's 24sure service centre in Cambridge, UK. 24sure service delivers reports of aneuploidy on all 24 chromosomes within 48 hours of sample receipt. 24sure service is available for first and second polar bodies, blastomere and trophectoderm biopsies. 24sure service has been developed in collaboration with Care Fertility, the UK's largest independent infertility IVF treatment provider. Commenting on 24sure Dr Simon Fishel, Managing Director, confirmed "24sure delivers valuable information which is not available using alternative techniques⁽¹⁾. BlueGnome provides a responsive and informed service which is now offered as an option on our more challenging cycles."

⁽¹⁾ "Birth after Polar Body Array CGH Prediction of Embryo Ploidy Following IVF - the future of IVF?", Fishel et al. (2009) Fertility and Sterility, In Press.

Additional information

Further information including fully illustrated protocols, technical white papers and presentations from user group meetings is available at the Download Center at www.cytochip.com.



BlueGnome

Headquartered in Cambridge, UK, BlueGnome's multidisciplinary team of mathematicians, software engineers, molecular biologists, and cytogeneticists are focused exclusively on the investigation of genomic copy number imbalance by arrayCGH and FISH. Expert and informed customer service combined with high quality products have made CytoChip and 24sure the platforms of choice in over 100 cytogenetics and IVF laboratories in more than 20 countries.

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