Data analysis,
samples management
and patients tracking
**in a unique
bioinformatic tool**

More info and contacts at
www.chromoscreen.com

For research use only.
Not for use in diagnostic procedures.

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IBSA genetics

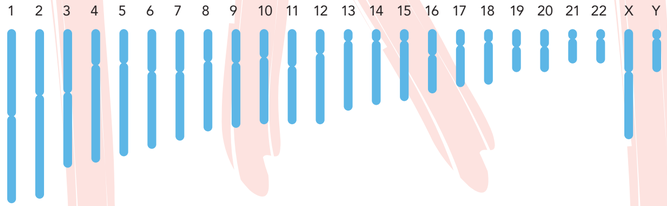
chromoscreen®

Preimplantation
genetic screening

Less attempts
more chances

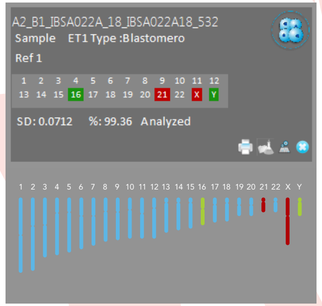
Chromosome aneuploidy (abnormal number of chromosomes) is believed to be the major cause of IVF failure, pregnancy loss, and in rare cases abnormal pregnancy and live birth. IVF success rate still remains low, about 30% in women under 35 years and about 15% in women over 40 years.

ChromoScreen® is a novel solution for detecting chromosomal aneuploidies in embryos from the IVF cycle before implantation, aiming to identify those most likely to lead to successful pregnancy. The test is based on array comparative genomic hybridization (aCGH) in which the DNA to test is compared to a normal control DNA on the same array.



Less data to handle
more responses

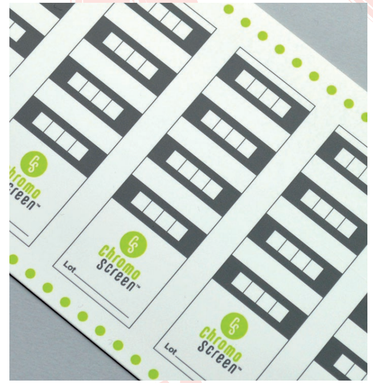
ChromoScreen® has been tailored to your needs. Molecular analysis can be difficult to interpret and complex to handle.



ChromoScreen® Software is a new proprietary array analysis tool conceived and developed for the ChromoScreen® test in order to simplify analysis and achieve confidence in the results. Processing an experiment takes less than 10 seconds.

- Patient tracking
- Samples management
- Data analysis

Less time
more efficiency



- 4 areas slides allow the testing of 2 or 4 samples
- 5-10 Mb of resolution
- Clone library tailored to the size and GC content of each chromosome
- Optimal balance between coverage and clear data processing
- Fast and reliable molecular karyotype

1 Labelling

HANDS-ON 30 mins
PROCEDURE 2 hrs
OUTPUT Test and reference DNA labelled with Cy3 and Cy5

2 Mix AND purification

HANDS-ON 20 mins
PROCEDURE 30 mins
OUTPUT Test and reference DNA combined and purified

3 Hybridization

HANDS-ON 40 mins
INCUBATION 16 hrs
OUTPUT DNA hybridized to the slide

4 Washing

HANDS-ON 30 mins
PROCEDURE 20 mins
OUTPUT Slides with unhybridized DNA removed

5 Data capture

HANDS-ON 20 mins
TIME SCAN 10 mins
OUTPUT Laser scanner read and store images

6 Data analysis

HANDS-ON 10 mins
OUTPUT Chromosome copy number of the sample

Transfer
Vitrification