CYBERGENE AB

ChromoQuant® QF PCR kit

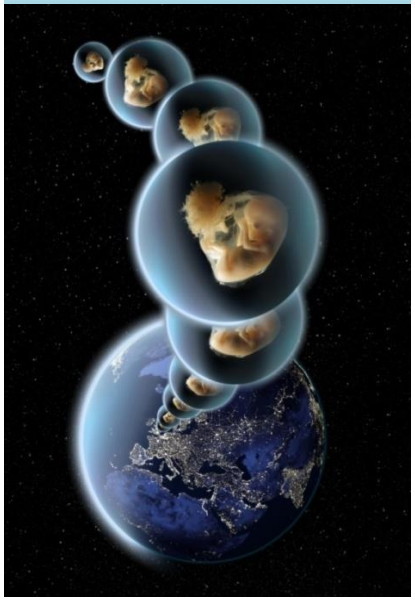
Optima PLUS

For detection of trisomy in chromosomes 15, 16 and 22

Optima STaR PLUS

For detection of aneuploidy in chromosomes 13,15,16,18,21,22 and X/Y

- **Proven technology** QF-PCR
- **Fast analysis** Turnaround reporting time is less than 24 hours
- **High Throughput** PCR based system. Automatable for cost efficient analysis
- **High specificity** 22 + 15 markers
- **Combination with ChromoQuant Optima STaR:** ChromoQuant STaR PLUS
- **GeneMapper and GeneMarker panels**



The ChromoQuant **Optima PLUS** QF-PCR kit is used for fast and accurate diagnosis of the most common aneuploidies in miscarriages

Key advantages

- High number of genetic markers for maximal speed and accuracy
- QF-PCR Technology
- GeneMapper and GeneMarker panel templates are available
- No tissue culture
- Detection of maternal contamination eliminates risk of misdiagnosis
- Flexibel solution in combination with other ChromoQuant Optima kits.

High flexibility

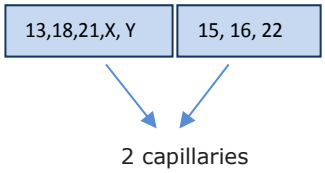
ChromoQuant Optima *PLUS* with markers for chromosomes 15, 16 and 22 can be purchased separately or in combination with ChromoQuant STaR Optima or other ChromoQuant Optima kits as preferred.

High specificity

ChromoQuant **Optima PLUS**, 15 markers in total for Chr. 15, 16 and 22, single tube ChromoQuant **Optima STaR PLUS**, 37 markers in total for Chr. 13, 15, 16, 18, 21, 22, X and Y, duplex test.

CE marked IVD kit

ChromoQuant® is CE marked in accordance with the Directive 98/79/EC. ChromoQuant® is produced under quality certificate ISO 13485.



www.chromoquant.com

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Intended Use Optima PLUS	*ChromoQuant Optima PLUS*: For detection of trisomy in chromosomes 15, 16 and 22. Used for analysing reasons for miscarriages.
Combi kit Optima STaR PLUS	*ChromoQuant Optima STaR PLUS*: For detection of aneuploidy in chromosomes 13,15,16,18,21,22 and X/Y
Ready to use	Add only DNA. Ready for PCR.
Optima *PLUS*	QF-PCR test for diagnosing aneuploidy in Chr. 15, 16 and 22. 15 markers in total.
Optima *STaR PLUS*	QF-PCR test for diagnosing aneuploidy in Chr. 13, 15, 16, 18, 21, 22, XY. 37 markers in total.
PCR:	
Optima PLUS	The markers for chromosomes 15, 16 and 22 are amplified in one tube.
Optima STaR PLUS	The markers for Chr. 13, 18, 21, XY and Chr. 15, 16, 22 are amplified separated in two tubes.
Number of markers:	
Markers Optima PLUS	5 STR markers for each Chr. 15, 16 and 22
Markers Optima STaR PLUS	5 markers for Chr. 13 and 18 6 markers for Chr. 21 6 markers for X and Y. Marker for Turner X0 included. 5 STR markers for each chromosome 15, 16 and 22
Kit size:	
Optima PLUS	26 tests (Optima PLUS, P/N 531.001-26)
Optima STaR PLUS	26+26 (Optima STaR PLUS, P/N 514.531-26)
CE-marked for IVD use	Yes
Detection format	Capillary Electrophoresis
CE-marked for IVD use	Yes
Validated Sequencers	ABI 310, 3100, 3130, 3730, 3500
Data Interpretation	GeneMapper and GeneMarker plugins are available
Detection format	Capillary Electrophoresis
Complies with Best Practice Guidelines	Yes

CyberGene AB
is active in the MedTech field by developing, manufacturing and selling In Vitro diagnostic PCR based products

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ChromoQuant® has been thoroughly validated in hospital clinics. ChromoQuant® was clinically introduced in early 2004 and is used world wide.

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