



CYBERGENE AB

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# 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*

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

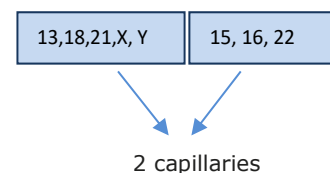
ChromoQuant Optima *PLUS* with markers for chromosomes 15, 16 and 22 can be purchased separately or in combination with ChromoQuant STaR Optima or other ChromoQuant Optima kits as preferred.

### High specificity

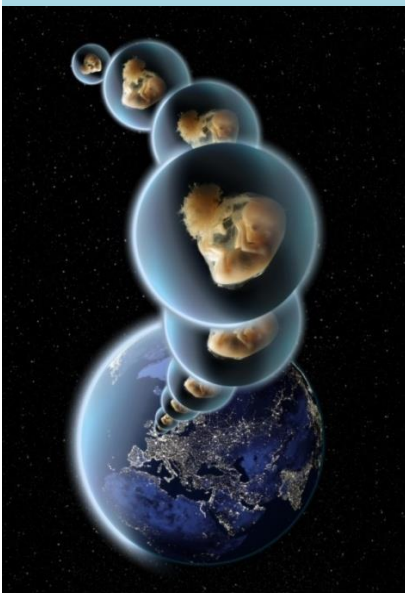
ChromoQuant **Optima PLUS**, 15 markers in total for Chr. 15, 16 and 22, single tube ChromoQuant **Optima STaR PLUS**, 37 markers in total for Chr. 13, 15, 16, 18, 21, 22, X and Y, duplex test.

### CE marked IVD kit

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



- **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**



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CYBERGENE AB

**CyberGene AB**

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

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

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