

ChromoQuant® QF PCR kit

Optima PLUS

Detection of aneuploidy in chromosomes 15, 16, 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 causing pregnancy loss

Key advantages

- Simple lab workflow <6h, enabling a "time to reply" of less than 24 hours
- High number of genetic markers for maximal speed and accuracy
- 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.

Interpretation of results

GeneMarker and GeneMapper templates for easy interpretation and reporting are available as downloads.



Product specification

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Intended Use Optima PLUS	<i>ChromoQuant® Optima PLUS:</i> For detection of trisomy in chromosomes 15, 16 and 22. Used for analysing reasons for miscarriages.
Combi kit Optima STaR PLUS	<i>ChromoQuant® Optima STaR PLUS:</i> For detection of aneuploidy in chromosomes 13,15,16,18,21,22 and X/Y
Complies with best practice guideline	Yes.
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.
<u>PCR:</u>	
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.
<u>Number of markers:</u>	
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
<u>Kit size:</u>	
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
Validated Sequencers Data	ABI 310, 3100, 3130, 3730, 3500, SeqStudio
Interpretation Detection	GeneMapper and GeneMarker plugins are available



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

ChromoQuant® is CE marked in accordance with the IVD Directive 98/79/EC and produced by CyberGene AB under quality system ISO 13485.

About CyberGene AB

CyberGene AB is a Swedish company, active in the MedTech field by developing, manufacturing and selling In Vitro diagnostic products. ChromoQuant is a registered trademark of CyberGene AB.

