



# ChromoQuant® QF PCR kit

## STaR and SuperSTaR

# Optima

## *Detection of aneuploidy in chromosomes 13, 18, 21, X and Y*

### *IVD kit for fast and accurate diagnosis of*

- Down syndrome Trisomy 21
- Edward syndrome, Trisomy 18
- Patau syndrome, Trisomy 13
- Klinefelter syndrome (XXY)
- Turner syndrome (X0)
- Sex determination

### *Key advantages*

- Superior number of markers
- Optimised performance
- High flexibility for users
- Many X markers in combination with Turner X0 verifying marker
- Turner X0 verifying TAF9B marker present in both reaction mixes
- Taq polymerase included, ready to use
- Detection of maternal contamination eliminates the risk of misdiagnosis
- The diagnostic procedure is based upon amniocentesis/CVS. Results are achieved within 6 hours enabling a "time to reply" of less than 24 hours.
- The ChromoQuant® kits are validated for all sequencers from Life Technologies/ ThermoFisher Scientific

### **High specificity**

The SuperSTaR Optima kit holds 34 unique genetic markers in two tubes. This large number of markers means the ChromoQuant® Optima kit will analyse 99,9% of all samples with an informative result.

### **High Flexibility**

The Optima kits can be used as single tube tests (STaR Optima1) with the availability of extra markers (STaR Optima2) or as a duplex test (SuperSTaR Optima) for higher resolution.

### **Interpretation of results**

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





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**Intended Use**

In vitro diagnostics for diagnosis of chromosome 13, 18, 21, X and Y aneuploidy

**No. of markers in SuperSTaR Optima**

34 genetic markers in two tubes

STaR Optima 1 – Reaction 1  
STaR Optima 2 – Reaction 2

Chr.	13	18	21	X	Y	XY	X0
	5	5	6	2	1	2	1
	3	3	1	3	1	1	1

**Complies with Best Practice guidelines for QF-PCR**

Yes

**CE-labelled for IVD use**

Yes

**Taq polymerase**

Included

**Detection format**

Capillary Electrophoresis with Genetic Analyser

**Validated Genetic Analysers**

ABI 310, 3100, 3130, 3730, 3500

**Part no. and kit size**

**SuperSTaR Optima**

514.301-68 (68 tests) Optima 1 + 2  
514.301-136 (136 tests) Optima 1 + 2

**STaR Optima 1**

514.100-68 (68 tests) single tube test 22 makers

**STaR Optima 2**

514.201-26 (26 tests) complement to Optima 1  
13 markers, not stand alone, single tube

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.

[www.chromoquant.com](http://www.chromoquant.com)