#### CYBERGENE

# ChromoQuant® QF PCR kit AZF

For detection of micro deletions in the Y chromosome; AZFa, AZFb and AZFc

The ChromoQuant® AZF PCR kit is used for fast and accurate routine diagnosis of micro deletions in the Y chromosome

### Key advantages

- For routine diagnostics
- Developed in accordance with EAA/EMQN guidelines 2013
- Basic and Extension set of non-polymorfic markers
- Heterochromatin marker for analysis of terminal deletion in primary test
- Distal and proximal break point analysis AZFa and AZFb are included in the product
- GeneMapper and GeneMarker panel templates are available

#### **Analysis in accordance with guidelines**

ChromoQuant AZF kit has been developed in order to follow the guidelines for molecular diagnosis given by EAA/EMQN 2013. This means that there are sufficient number of primers to perform the routine analysis of micro deletions in the AZFa, b and c region.

#### Core set and extension set of markers

The core set of markers will detect almost all clinically relevant deletions and over 95% of the deletions reported in the literature in the three AZF regions and is sufficient for routine diagnostics. Extension sets included.

#### **High specificity**

17 markers in total

One core set with markers for AZFa, b and c Two extension sets with markers for determination of the extent of the deletion in AZFa and b respectively.

#### **Interpretation of results**

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



## **Product specification**

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Intended Use Diagnosis of micro deletions in the Y chromosome

AZFa, AZFb and AZFc

**Ready to use** Add only DNA. Ready for PCR.

Taq polymerase Included

**Part no.** 800.001-32

**No. of tests** 32 tests for AZFa, b, c – basic set

10 tests for extended diagnosis of AZFa and AZFb

**Basic set of markers** 7 non polymorphic markers + 2 controls will detect more

than 95% of all deletions reported in the literature. Sufficient for routine diagnosis. sY160 included.

**Extension set of markrs** AZFa extension set: 4 non polymorphic markers + 2

controls

AZFb extension set: 4 non polymorphic markers + 2

controls

**PCR / Capillary** The core set of markers for AZFa, b and c is analysed in

one PCR tube and one capillary. This set of markers gives a diagnosis for deletions in the AZFa, b, c and terminal region. The AZFa and AZFb extensions sets are used to indentify break points in the AZFa and the AZFb region

respectively.

**No. of Markers** 17 markers in total

**Kit size** 32 tests AZFabc

10 extended tests AZFa 10 extended tests AZFb

CE-marked for IVD use Yes

**Detection format** Capillary Electrophoresis with Genetic Analyser

Validated Genetic

**Analysers** 

ABI 310, 3100, 3130, 3500, 3730, SeqStudio

**Data Interpretation** GeneMapper and GeneMarker plugins are available

Complies with AEE/

EMQN guidelines 2013 Yes

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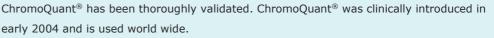
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ChromoQuant® is CE marked in accordance with the IVD Directive 98/79/EC and produced by CyberGene AB under quality system ISO 13485.

#### **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.



