



CYBERGENE AB

# ChromoQuant® 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 diagnosis**
- **Fast analysis**  
Turnaround reporting time is less than a working day
- **High Throughput**  
PCR based system. Automatable for cost efficient analysis
- **High specificity**  
17 markers in total
- **Analysis of terminal deletion**
- **AZFa/AZFb breakpoints**  
Proximal and distal breakpoints will be analysed
- **GeneMapper and GeneMarker panels**
- **In accordance with EAA and EMQN Guidelines 2013**



- For routine diagnostics
- Developed in accordance with EAA/EMQN guidelines 2013
- Basic and Extension set of non-polymorphic markers
- Heterochromatin marker for analysis of terminal deletion
- Distal and proximal break point analysis
- 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.

### **Basic set and Extension set of markers**

The basic 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  
1 basic set with markers for AZFa, b and c  
2 extension sets with markers for determination of the extent of the deletion in AZFa and b respectively.

### **CE marked IVD kit**

ChromoQuant® is CE marked in accordance with the Directive 98/79/EC. ChromoQuant® is produced under quality system ISO 13485/ ISO 9001.



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### About CyberGene AB

CyberGene AB is active in the MedTech field by developing, manufacturing and selling ChromoQuant, In Vitro diagnostic PCR based products. CyberGene AB is also a service provider within the Biotech field in oligodeoxynucleotide (DNA).

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

**CyberGene AB**  
**Banvaktsvägen 22**  
**SE-171 48 Solna**  
**Sweden**

**Telephone:**  
**+46 8 608 23 90**

**Technical support:**  
[chromoquant@cybergene.se](mailto:chromoquant@cybergene.se)



<b>Intended Use</b>	Diagnosis of micro deletions in the Y chromosome AZFa, AZFb and AZFc
<b>Ready to use</b>	Add only DNA. Ready for PCR.
<b>Taq polymerase</b>	Included
<b>Part no.</b>	800.001-32
<b>No. of tests</b>	32 tests for AZFa, b, c – basic set 10 tests for extended diagnosis of AZFa and AZFb
<b>Basic set of markers</b>	7 non polymorphic markers + 2 controls will detect more than 95% of all deletions reported in the literature. Sufficient for routine diagnosis. sY160 included.
<b>Extension set of markers</b>	AZFa extension set: 4 non polymorphic markers + 2 controls AZFb extension set: 4 non polymorphic markers + 2 controls
<b>PCR / Capillary</b>	The basic 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 identify break points in the AZFa and the AZFb region respectively.
<b>No. of Markers</b>	17 markers in total
<b>Kit size</b>	32 tests AZFabc 10 extended tests AZFa 10 extended tests AZFb
<b>CE-marked for IVD use</b>	Yes
<b>Detection format</b>	Capillary Electrophoresis with Genetic Analyser
<b>Validated Genetic Analysers</b>	ABI 310, 3100, 3130, 3500, 3730
<b>Data Interpretation</b>	GeneMapper and GeneMarker plugins are available
<b>Complies with AEE/EMQN guidelines 2013</b>	Yes

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