

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-polymorphic 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 marks	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 identify 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



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.

