



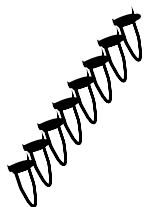
# Devysr AZF

## AZF micro-deletion detection

The Devysr AZF and Devysr AZF Extension testing kits offer a unique single-tube approach that simplifies the workflow, reduces hands-on time and minimizes the risk of sample mix-up and contamination during both basic and extended AZF analysis.

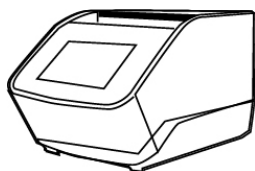
The testing relies on PCR amplification of sequence-tagged sites (STS) in the AZFa, AZFb and AZFc regions on the Y-chromosome. All STS markers and control sequences as recommended by the European Academy of Andrology (EAA) and the European Quality Monitoring Network Group (EMQN) for basic and extended molecular diagnosis of Y-chromosomal microdeletions in the AZFa, AZFb and AZFc regions are included in the kits.

### Simple QF-PCR workflow



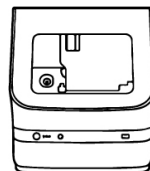
#### Sample preparation

Low amount of genomic DNA required



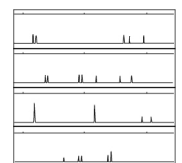
#### PCR amplification

Multiplex PCR using primers designed to amplify the DNA sequences specific to each chromosome of interest



#### Capillary electrophoresis

Analyze size of amplified DNA fragments on a Genetic Analyzer



#### Data interpretation

Separate and identify DNA fragments based on size and color

### Detect all markers needed for basic and/or extended AZF deletion screening

Enables detection of all basic, extension and control markers as recommended by the EAA and the EMQN for molecular diagnosis of Y-chromosomal microdeletions.

### Single-tube PCR

Both Devysr AZF and Devysr AZF Extension rely on a single-tube PCR which minimizes hands-on time, analysis time and the risk of sample mix up.

### Automatic identification of STS markers using capillary electrophoresis

The use of fluorescently labelled primers for all markers allows automated visualization and identification of the STS markers using a Genetic Analyzer.

### Key features and benefits of the Devyser AZF kits

- One reaction detects all markers needed for basic deletion screening
- One reaction detects all markers needed for extended characterisation
- Automatic identification of STS markers - no subjective data interpretation
- No toxic EtBr stained agarose gels required
- Cost-effective solution with less hands-on time

### Devyser AZF - for basic deletion testing

Detailed analysis of Y-chromosome microdeletions in the AZFa, AZFb and AZFc regions in the following loci:

- AZFa: sY86, sY84
- AZFb: sY127, sY134
- AZFc: sY255, sY254
- Controls: ZFY/ZFX, sY14 (SRY)

### Devyser AZF Extension - for extended deletion analysis

Extended molecular diagnosis of Y-chromosomal microdeletions in the AZF region in the following loci:

- AZFa: sY82, sY83, sY1065, sY88
- AZFb: sY105, sY121, sY1192, sY153
- AZFc: sY1191 (gr/gr), sY1291 (gr/gr), sY160 (heterochromatin)
- Controls: ZFX, sY14 (SRY)

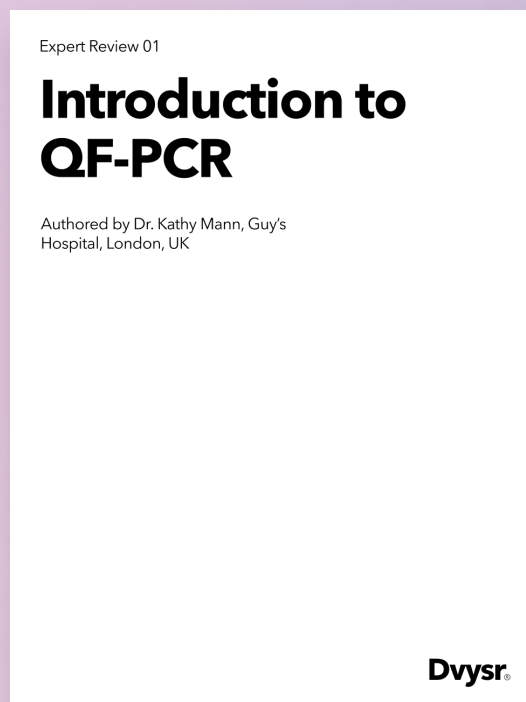
**Dvysr**<sup>®</sup>

### Discover our Expert Review: Introduction to QF-PCR

This paper provides straightforward advice for laboratory professionals on how to operate a high-quality QF-PCR service – from basic set up to best practice guidelines.

Authored by Dr. Kathy Mann, a pioneer in prenatal QF-PCR analysis, it includes useful sections on: assay design, sample processing, limitations and much more.

[devyser.com/resources/whitepapers](https://devyser.com/resources/whitepapers)



### Article numbers

#### CE-IVD kits

- Devyser AZF  
25 tests (8-A015.2-M1)
- Devyser AZF Extension  
25 tests (8-A015.2)

#### RUO kits

- Devyser AZF  
25 tests (8-A015.2-M1RUO)
- Devyser AZF Extension  
25 tests (8-A015.2-RUO)

### Accessories

- 560 SIZER ORANGE  
8-A402
- Devyser DEV-5 Dye-set  
8-A401 (MultiCap)  
8-A400 (SingleCap)

CE-IVD is available in the EU and countries outside EU accepting the CE-IVD certification. Available as RUO in all other countries.

[www.devyser.com](https://www.devyser.com)