

# Devyser AZF solutions

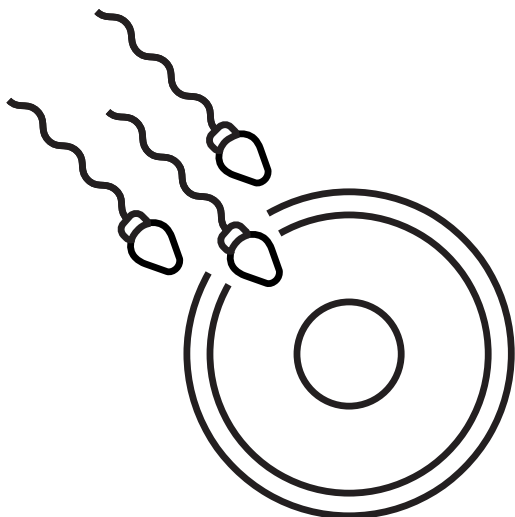
- Devyser AZF v2 (IVD and RUO)
- Devyser AZF Extension (IVD)
- Devyser AZF Extension v2 (RUO)

## State-of-the-art AZF microdeletion detection

### Comprehensive solution for AZF deletion analysis

AZF v2 (IVD and RUO), Devyser AZF Extension (IVD and RUO) and Devyser AZF Extension v2 (RUO) testing kits offer unique one-tube solutions that simplify the laboratory workflow, reduce hands-on time, and minimize 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 recommended by the European Academy of Andrology (EAA) and the European Quality Monitoring Network Group (EMQN) for basic and extended molecular analysis of Y-chromosomal microdeletions in the AZFa, AZFb, and AZFc regions are included in the kits.



### One-tube solutions

Devyser AZF v2, Devyser AZF Extension and Devyser AZF Extension v2 use a single tube, so there is no need for sample splitting, thereby reducing hands-on time and the risk of contamination or sample mix up.

### Devyser AZF v2 (IVD & RUO) Detection of all key markers for basic AZF microdeletion testing

Detection of all basic and control markers as recommended by the EAA and the EMQN for molecular diagnosis of Y-chromosomal microdeletions. Devyser AZF v2 an optimized number of markers to facilitate interpretation and secure an accurate result.

### Devyser AZF Extension (IVD) For extended deletion analysis

Extended molecular detection of Y-chromosomal microdeletions in the AZF region.

### Devyser AZF Extension v2 (RUO) New extended Y-chromosomal AZF microdeletion testing including the sY1064 and sY1224 markers

Devyser AZF Extension v2 adds sY1064 to better detect complete AZF deletions, and sY1224 to give improved indication of breakpoints for several complete AZFb and AZFc deletions when sY121 is deleted.

**Devyser**<sup>®</sup>

Devyser – a new level of certainty

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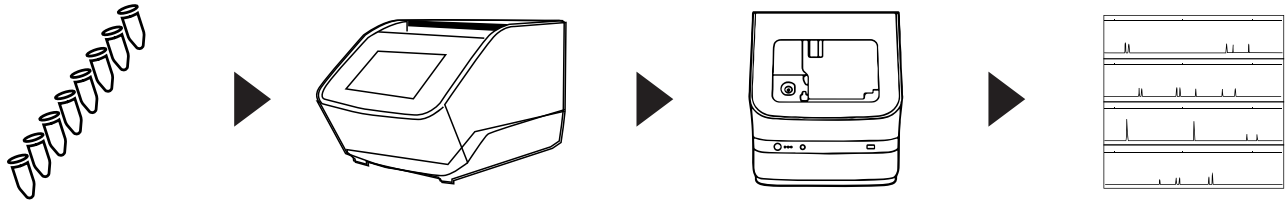
[www.devyser.com](http://www.devyser.com)

# Our AZF products match the latest male infertility research advancements

# Automatic identification of STS markers using capillary electrophoresis

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

## Simple workflow



### Sample preparation

Low amount of genomic DNA required

### PCR amplification

Multiplex PCR using primers designed to amplify the DNA sequences

### Capillary electrophoresis

Analyze size of amplified DNA fragments on a Genetic Analyzer

### Data interpretation

Separate and identify DNA fragments based on size and color

### Devyser AZF v2 (IVD\* & RUO\*\*)

Pack size: 25

Target:

- AZFa region: sY86, sY84
- AZFb region: sY127, sY134
- AZFc region: sY255, sY254
- Controls: ZFX, sY14

### Devyser AZF Extension (IVD\*)

Pack size: 25

Target:

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

### Devyser AZF Extension v2 (RUO\*\*)

Pack size: 25

Target:

- AZFa region: sY82, sY1064, sY1065, sY88,
- AZFb region: sY105, sY121, sY1224, sY1192, sY153
- AZFc: sY1191 (gr/gr), sY1291 (gr/gr), sY160 (heterochromatin)
- Controls: ZFX, sY14

\*Devyser products are distributed worldwide. Not all intended uses and applications mentioned here are available in every country. Please consult your local sales representative for details.

\*\*Research Use Only. Not for use in diagnostic procedures.

### Article numbers

- AZF v2 (RUO): 8-A019.2-RUO
- AZF Extension v2 (RUO): 8-A415
- Devyser AZF Extension (IVD): 8-A020
- Devyser AZF v2 (IVD): 8-A019.2

### Accessories

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

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