Patient ID: 25SR00010
Location: Belfast

Date of Sample Collection: **02 May 2025**
Report Date: **22 May 2025 11:23**

Extend® Test Report

Patient & Examination Details

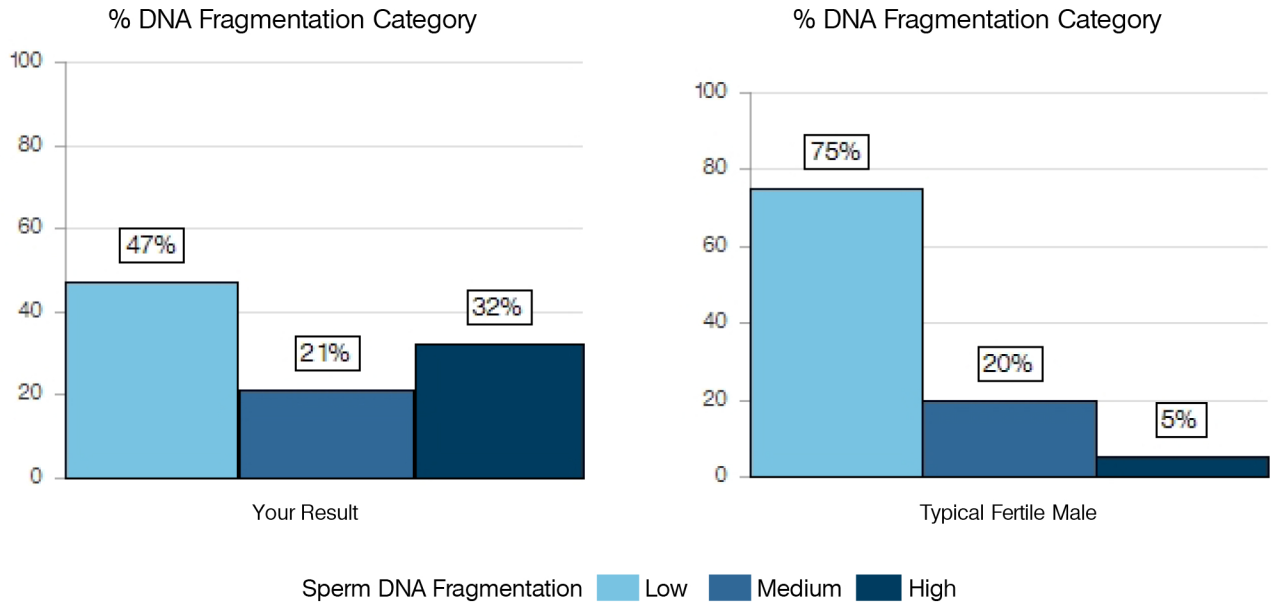
Patient Name: **Example**
Patient DOB: **01/01/1990**
Patient Clinic ID: **1234**
Referring Clinician/GP: **Examen**
Referring Clinic: **Examen**

Sample Code: **25SR00010**
Sample Type: **Ejaculate**
Sample Suitable for Examination: **Yes**
Clinic Results Email: **lab@examenlab.com**
Patient Results Email: **lab@examenlab.com**

Your Result - showing the average percentage of DNA fragmentation of each sperm in your semen sample.

	Your Result	Fertile Range	Status
Average Double Stranded DNA Fragmentation	11.35%	0.00% - 6.00%	**Outside Normal Range**

Your Result Breakdown - showing the distribution of your sperm DNA fragmentation relative to a typical fertile male.



Comments

Outside the normal range, indicating a high risk of male infertility.

Sample Quality Comments: No issues found that might compromise examination results.

It is crucial to consider this **Extend** test result in conjunction with all other relevant clinical information available for the individuals involved in this fertility journey - including their clinical history and any existing infertility diagnosis. Therefore, it is important for patients to discuss their result with their referring clinician to ensure the most informed and effective treatment planning.

Reviewed and authorised by:

On behalf of:

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Extend® Test Report

Definitions and Further Information

Why is sperm DNA Important? Good sperm DNA quality is essential for male fertility. Sperm DNA accounts for 50% of a child's genetic makeup.

What happens if your sperm has DNA fragmentation? Every male has some sperm DNA fragmentation. An increased level of sperm DNA fragmentation can impact your ability to conceive naturally.

Double-Stranded DNA Breaks (dsDB) are severe forms of DNA damage where both strands of the DNA double helix are broken. High levels of dsDB damage can impair sperm function and reduce the ability of sperm to fertilise an egg, can lead to poor embryo development, and are associated with increased rates of miscarriage.

The Extend Test - this test measures double stranded DNA fragmentation in individual sperm cells using single cell gel electrophoresis (SCGE).

Average Sperm DNA Fragmentation – this is the average percentage of double stranded DNA fragmentation of each sperm in your semen sample.

Low DNA Fragmentation – 75 percent of a typical fertile male's sperm would fall within this category (75th percentile).

Medium DNA Fragmentation – 20 percent of a typical fertile male's sperm would fall within this category (75th to 95th percentile).

High DNA Fragmentation – 5 percent of a typical fertile male's sperm would fall within this category (95th percentile).

Clinical Reference Ranges

- For typically fertile males, the clinical reference range is from 0.00% - 6.00%.

About the Extend Test

All results have been generated using a CE-marked test (self-certified "General IVD" (Article 9, non-List A or B; not for performance evaluation, not for self-testing) according to Annex II of Directive 98/79/EC which has been designed, developed and manufactured within a ISO 13485:2016 certified laboratory (MD 723205).

All examinations are performed and issued by ExamenLab Ltd. If required, an ExamenLab clinical expert can provide you with further interpretation of your results (subject to additional fees). Please make contact during ExamenLab's operating hours (08:00 to 16:00) via myresults@examenlab.com or call +44 (0) 28 9023 8915.

Sample Acceptance Criteria

In order for your sample to be accepted for examination, the following criteria must be met:

- Entire specimen must be collected with no spillage.
- Specimens must be frozen and stored in liquid nitrogen.
- Abstinence must be no longer than 7 days.
- Specimen must be correctly labelled and legible.
- Specimen must be from an acceptable source or sample type.

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