

**NEW TECHNOLOGY IN SPERM CHROMATIN DISPERSION ASSAY INDICATOR FOR SPERM DNA INTEGRITY AND FERTILIZATION CAPACITY WITH BOTH ACIDIC AND ALKALINE DENATURATION INCLUDED IN A SINGLE KIT FOR HIGHER RESULTS SENSITIVITY**



**Sperm Chromatin** is an in vitro diagnostic kit that allows the measurement of Sperm DNA fragmentation in a fast, easy, and reproducible manner, without the need for complex laboratory equipment as tunnel testing. The images of halos generated with Sperm chromatin are highly contrasted and can be evaluated using conventional or fluorescent microscopy.

#### SCD tests are recommended in

- Couples with a history of miscarriages.
- Couples with unexplained infertility for more than 6 months.
- Men with a history of cancer or under treatment with prescription medications.
- Men exposed to toxic agents.
- Men who have urogenital infections.
- Men with unhealthy life style habits: Smoking, Obesity.
- Poor quality of the embryo during second cycles of egg donation.
- Male factor of unknown cause.

#### Characteristics

- Quick operating within one hour, the result is observed under the ordinary microscope without any other special instrument, easy to apply in basic clinic setting.
- Very distinct coloration clarity which aids in identifying the formed halo accurately.
- Each kit has 15 tests/kit, cost effective.
- Efficient than the competitive products in the market.
- The reagents are stable and reliable with a shelf life of one year.

#### Detailed Product Description

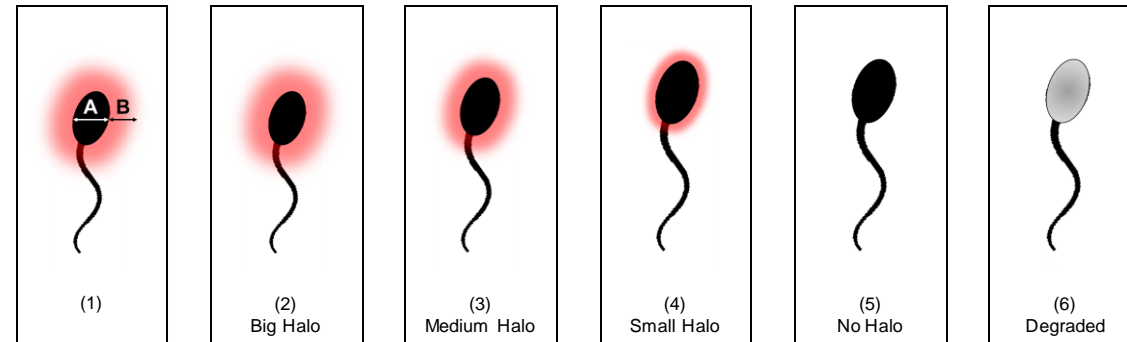
<b>Method:</b>	SCD	<b>Specification:</b>	15 T/Kit
<b>Storage Temperature:</b>	2 – 8 °C	<b>Shelf Life:</b>	24 Months
<b>Test Sample:</b>	Raw Semen, Processed Sperm.		

#### Each Kit Includes:

Acidic and Alkaline Denaturation Solution, Lysis Solution, Stain A, Stain B, Agarose Cell Support, Eppendorf Tubes, Super – Coated Slides, Float and Product Insert.

#### Safety:

- Avoid contact with skin and eyes.
- Avoid inhalation.



- Slide (1) represents a map of determination for different stains in SCD method.
- (A) represents the smallest diameter of sperm head while (B) represents the thickness of the unilateral sperm halo.
- When  $B \leq 1/3$  of A indicates DNA fragmentation in sperm.
- Slides (2) and (3) represent sperms without DNA fragmentation.
- Slides (4), (5) and (6) represent sperms with DNA fragmentation.

The method is based on the Sperm Chromatin Dispersion (SCD) test (Fernández et al., J. Androl 24: 59-66, 2003; Fertil Steril 84: 833-842, 2005).

#### For Information regarding product availability, purchases and price quotes

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