

Sperm Chromatin

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

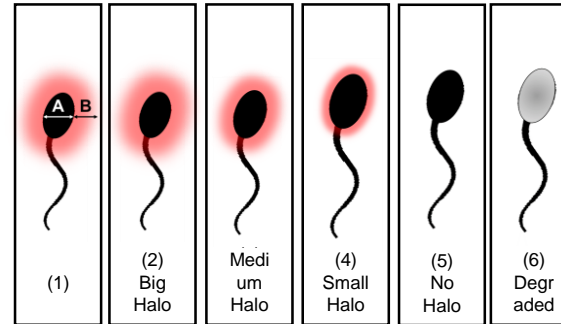
- Couples with a history of miscarriages.
- Couples with unexplained or male factor infertility.
- Men with a history of cancer or under treatment with prescription medications.
- Men exposed to toxic agents.
- Men suffering from urogenital infections.
- Men with unhealthy life style habits: Smoking, Obesity.
- Poor quality of the embryo during second cycles of egg donation.

Characteristics

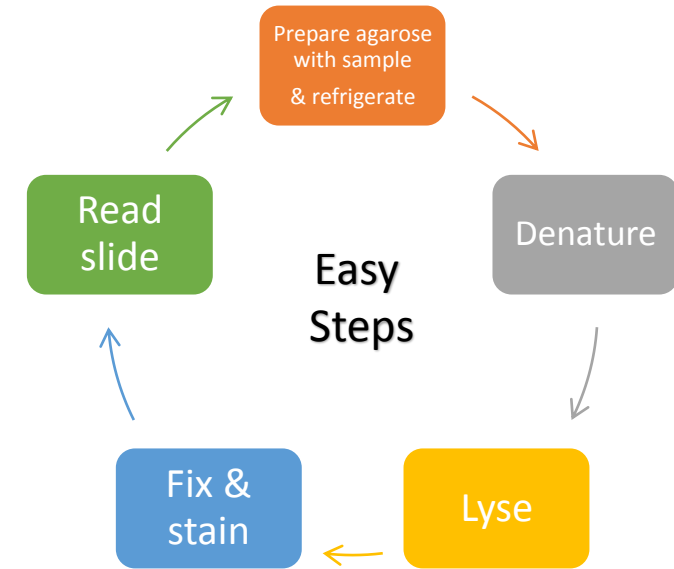
- Quick operating within one hour, the result is observed under the ordinary microscope without any other special instrument, easy to apply in basic clinic setting.
- Very distinct coloration clarity which aids in identifying the formed halo accurately.
- Each kit has 15 tests/kit, cost effective.

Detailed Product Description			
Method	SCD	No Tests	15 Tests/Kit
Storage Temp	2 – 8 °C	Shelf Life	4-6 months For max efficiency
Test Sample	Raw Semen (fresh or frozen/thawed), 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.



- 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.



Both Acidic and Alkaline denaturation solutions in a SINGLE KIT for higher results sensitivity and accuracy



For more information

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