

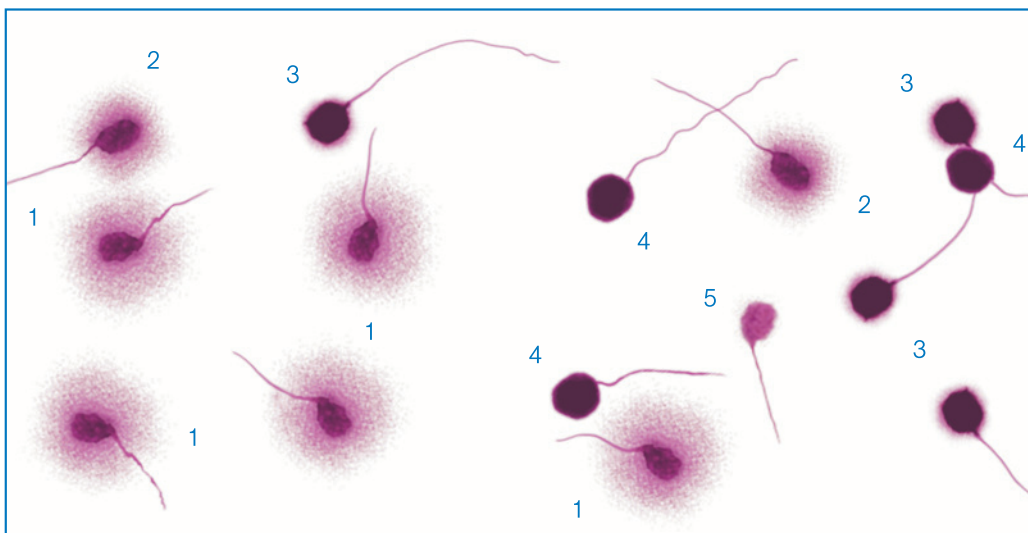
halotech[®] dna

Spermatic
dna
fragmentation
test

easy to
perform

fast
turnaround
time (approx.
1 hour)

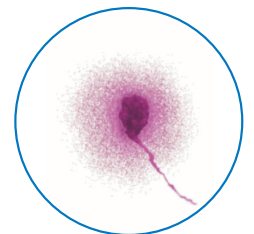
performable
using basic
equipment
in all kinds of
laboratory
facilities



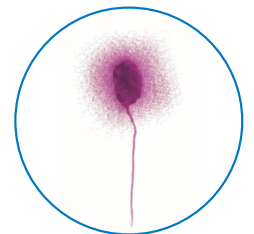
halosperm[®]

new
development
for Andrology

without fragmentation

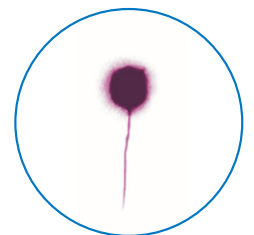


1. big halo

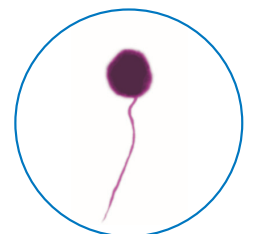


2. medium halo

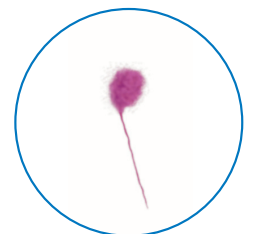
with fragmentation



3. small halo



4. without halo



5. degraded

DNA fragmentation assessment kit for use in own laboratory (10 determinations; cat. n. HT-HS1):

This technology is:

- User-friendly technology:
 - only basic laboratory equipment required (brightfield microscopy).
 - easy assessment of endpoints.
- Speedy results:
 - short turnaround time: approximately 1 hour.
 - multiple sample processing.
- Cutting-edge technique:
 - sharp improvement in semen sample selection for ART (Assisted Reproductive Techniques) through DNA fragmentation assessment.
 - validation of technology via SCSA, TUNEL and DBD-FISH.
 - easier to use than other techniques for DNA fragmentation assessment.

Chohan KR, et al. "Comparison of chromatin assays for DNA fragmentation evaluation in human sperm", J Androl. 2006 Jan-Feb; 27 (1): 53-9.

Fernández JL, et al. "Simple determination of human sperm DNA fragmentation with an improved sperm chromatin dispersion test", Fertil Steril. 2005 Oct; 84 (4): 833-42.

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Ollero M, et al. "Characterization of subsets of human spermatozoa at different stages of maturation: implications in the diagnosis and treatment of male infertility", Hum Reprod. 2001 Sep; 16 (9): 1912-21.

Sakkas D et al. "Relationship between the presence of endogenous nicks and sperm chromatin packaging in maturing and fertilizing mouse spermatozoa", Biol Reprod. 1995 May; 52 (5): 1149-55.

Virro MR, et al. "Sperm chromatin structure assay (SCSA) parameters are related to fertilization, blastocyst development, and ongoing pregnancy in in vitro fertilization and intracytoplasmic sperm injection cycles", Fertil Steril. 2004 May; 81 (5): 1289-95.

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