

CLINICAL REPORT: Sperm Chromatin Structure Assay (SCSA)

Patient: _____ **Physician:** _____
Date of Birth: _____ **Clinic:** _____
Date of Report: _____ **Clinic City, State:** _____
Collection Date: _____

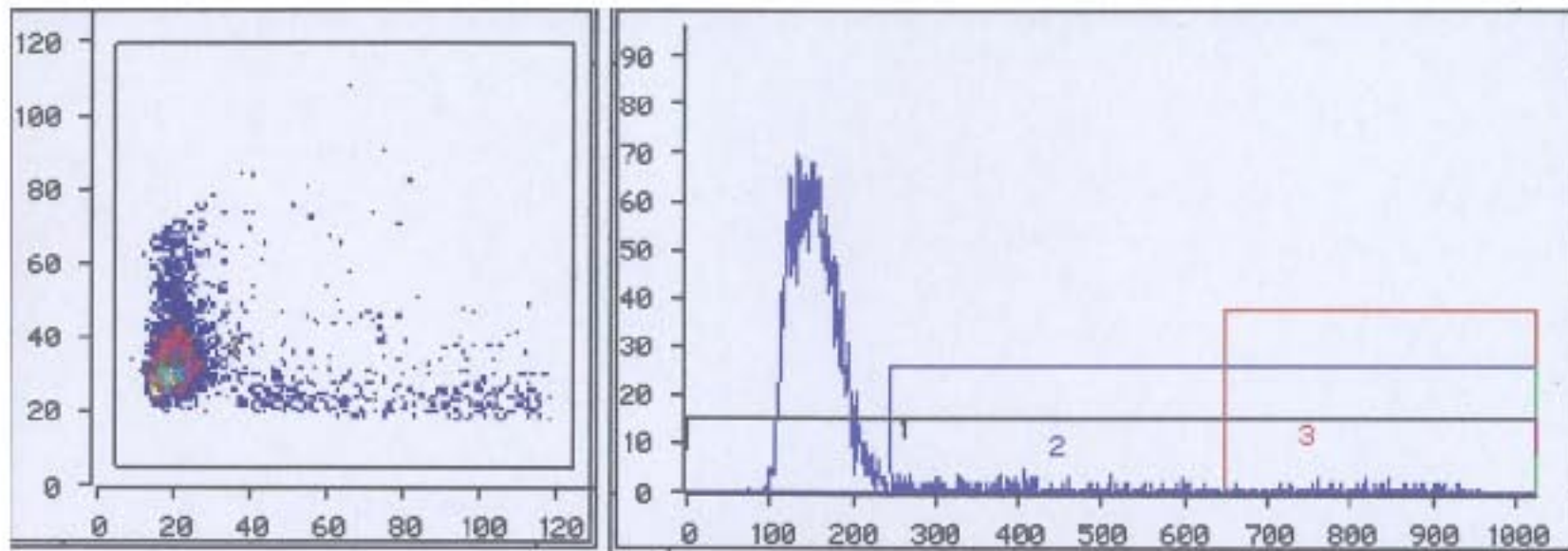
DNA Fragmentation Index (%DFI; % sperm cells containing measurable DNA damage)

- a. ≤ 15% DFI = Excellent to Good Sperm DNA integrity
- b. > 15% to < 25% DFI = Good to Fair Sperm DNA integrity
- c. ≥ 25% to < 50% DFI = Fair to Poor Sperm DNA integrity
- d. ≥ 50% DFI = Very Poor Sperm DNA integrity

Note: The above values relate to natural and IUI conceptions. When % DFI is above 25%, current literature suggests that the patient either try to reduce that number by medical intervention or change of lifestyle, or skipping IUI and go on to IVF/ICSI for greatest success. (www.scsatest.com for details).

Hypothesis: A high ratio of moderate DFI to high DFI sperm may be the most negative since Moderate DFI sperm have normal nuclear morphology and will likely fertilize but may have DNA damage beyond the repair capacity of eggs.

High DNA stainability (HDS): % sperm with immature chromatin and abnormal proteins; levels in the > 25% range are considered negative for pregnancy outcome.



DNA Fragmentation Index

File	% Total	% Moderate	% High	% HDS	Mean DFI	Std Dev DFI
29	9.10	6.28	2.82	9.30	190.10	128.78
30	7.22	5.32	1.90	9.40	171.20	109.77
mean	8.2	5.8	2.4	9.4	180.7	119.3
std dev	1.3	0.7	0.7	0.1	13.4	13.4

SCSA Results

DFI = 8.2%

HDS = 9.4%

Estimate of Overall Sperm DNA Integrity

Excellent to Good Sperm DNA Integrity

Comments: E1288889

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President and Director

Disclaimer - The information provided on this report is not intended to provide professional medical advice. Please consult with your physician or other qualified health care providers regarding questions you may have about your health, infertility options or other medical concerns.