

CLINICAL REPORT: Sperm Chromatin Structure Assay (SCSA[®])

Patient Name/ID:	Good Sample Report	Physician Name:	Dr
Date of Birth:		Clinic Name:	Andrology Center
Date of Report:	Apr 11, 2022	Clinic Address:	1056/2, Behind Fortune Building Avinashi Road Coimbatore, India 641018
Collection Date:			

**PATIENT
DETAILS**

DNA Fragmentation Index (%DFI: % sperm containing measurable DNA damage)

- a. < 15% DFI = Excellent to Good Pregnancy Outcomes (PO) (without female infertility factors)
- b. > 15% to < 25% DFI = Good to Fair PO
- c. > 25% to < 40% DFI = Fair to Poor PO
- d. > 40% DFI = Very Poor PO

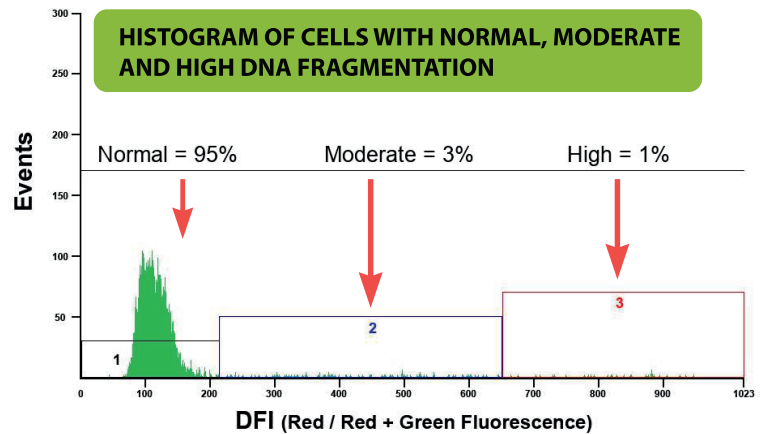
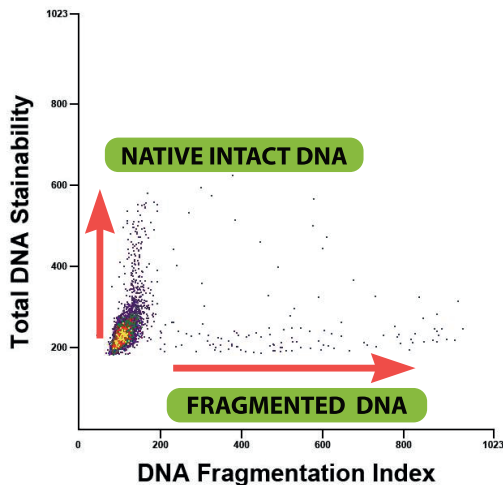
CLINICALLY RELEVANT THRESHOLD VALUES

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 move to IVF/ICSI for increased odds for positive PO.

TREATMENT OPTIONS

High DNA Stainability (HDS): % of sperm with immature, abnormal tertiary chromatin structure. Levels at >25% HDS may cause early embryo death in IVF/ICSI and lessen Odds for Good PO.

HDS EXPLANATION



File	% Total	% Moderate	% High	% HDS	Mean DFI	SD DFI
133695	4.57	3.43	1.13	3.51	131.64	90.99
133696	4.96	3.16	1.80	3.23	127.27	99.64
mean	4.8	3.3	1.5	3.4	129.5	95.3
std dev	0.3	0.2	0.5	0.2	3.1	6.1

DATA FROM DUPLICATE MEASUREMENTS

SCSA[®] Test Results

TOTAL DNA FRAGMENTATION INDEX

% DFI = 5%

Excellent to Good PO

TOTAL HDS

% HDS = 3%

Normal Range

ASSESSMENT OF SPERM DNA QUALITY

Dr. Tara Mahendran, PhD, Scientific Director

Disclaimer - 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.