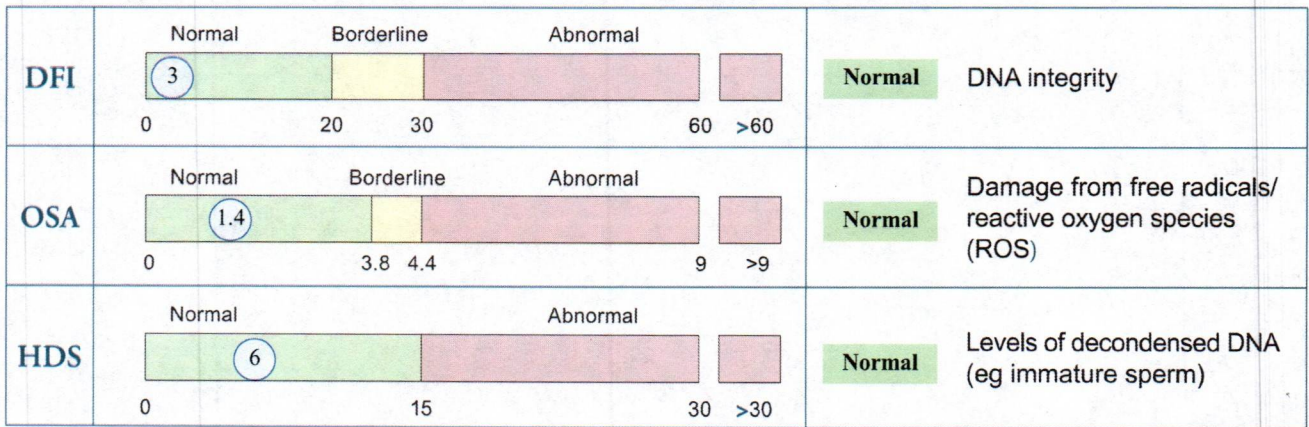


Patient: Lu, Yanxin	Clinician: Philip Werthman MD
Gender: M Age: 35Y Date of birth: 10/17/1989	Phone: 1-310-277-2873 Fax: 1-310-286-2139
Specimen: 00598276	Address: Center For Male Reproductive Medicine
Reported: 08/26/2025	2080 Century Park East, Suite 907
Received: 08/20/2025 Time: 09:50	Los Angeles, CA 90067
Collected: 08/18/2025 Time: 15:15	

Overview



Patient Results & Interpretation

Test Name	Normal Range	Unit	Result		Comment										
DFI DNA Fragmentation Index	<20	%	3	Normal	<table border="1"> <tr> <th colspan="2">Predicted Success</th> </tr> <tr> <td>Natural</td> <td>normal</td> </tr> <tr> <td>IUI</td> <td>normal</td> </tr> <tr> <td>IVF</td> <td>normal</td> </tr> <tr> <td>ICSI</td> <td>normal</td> </tr> </table> <p>Higher DFI scores correlate to lower success rates in natural or IUI attempts at pregnancy. Abnormal DFI results suggest the consideration of advancing directly to IVF or ICSI, treatments that lower the DFI score, and/or consultation with a urologist specializing in fertility.</p>	Predicted Success		Natural	normal	IUI	normal	IVF	normal	ICSI	normal
Predicted Success															
Natural	normal														
IUI	normal														
IVF	normal														
ICSI	normal														
Oxidative Stress Adduct	<3.8	uM	1.4	Normal	The OSA test directly measures sperm damage from oxidative stress by quantifying the presence of "adducts," molecules in semen covalently modified by free radicals/reactive oxygen species. Men from 955 infertile couples demonstrated significantly higher results compared with 20 fertile controls (Fig 1, p<0.05). Low results have unclear clinical significance at this time.										
HDS High DNA Stainability	<15	%	6	Normal	The HDS Score provides supplementary information regarding the percent of cells with highly-staining DNA, and can be abnormal when high levels of immature sperm cells are present.										

Additional comments:

References

1. Tirado E, Marquette M, Musto JD, Leader B. The association of aging, oxidative stress and DNA integrity in human spermatozoa. *American Society of Andrology* 2010; Abstract. https://secure.servecdn.net/198.71.233.187/h1k.f5b.myftpupload.com/wp-content/uploads/2019/08/2010_asa_program.pdf pg 64 #70
2. Evenson DP, Darzynkiewicz Z, Melamed MR. Relation of mammalian sperm chromatin heterogeneity to fertility. *Science*. 1980;210(4474):1131-1133. doi:10.1126/science.7444440
3. Bungum M, Humaidan P, Axmon A, et al. Sperm DNA integrity assessment in prediction of assisted reproduction technology outcome. *Hum Reprod*. 2007;22(1):174-179. doi:10.1093/humrep/del326
4. Evenson DP, Jost LK, Marshall D, et al. Utility of the sperm chromatin structure assay as a diagnostic and prognostic tool in the human fertility clinic. *Hum Reprod*. 1999;14(4):1039-1049. doi:10.1093/humrep/14.4.1039
5. Spanò M, Bonde JP, Hjalund HI, Kolstad HA, Cordelli E, Leter G. Sperm chromatin damage impairs human fertility. The Danish First Pregnancy Planner Study Team. *Fertil Steril*. 2000;73(1):43-50. doi:10.1016/s0015-0282(99)00462-8
6. Erenpreiss J, Bungum M, Spano M, Elzanaty S, Orbidans J, Giwercman A. Intra-individual variation in sperm chromatin structure assay parameters in men from infertile couples: clinical implications. *Hum Reprod*. 2006;21(8):2061-2064. doi:10.1093/humrep/del134

The above tests were developed and their analytical performance characteristics have been determined by ReproSource Fertility Diagnostics. They have not been cleared or approved by the U.S. Food and Drug Administration. These assays have been validated pursuant to the CLIA regulation and are used for clinical purposes.

DOB: SA250818B

Date of specimen: 8.18.25

Patient Name: Yanxin Lu

Time collected: 3:12

Spouse/Partner Name: _____

Age of Specimen: 50 min

Results sent to: _____

- Specimen to be used for:
- Complete Semen Analysis
 - Count only
 - Insemination prep
 - DFI/OSA
 - Culture and sensitivity
 - Freeze

SA 250818B
SEMEN ANALYSIS

Days since last ejaculation: 2
 Any portion lost? NO

PATIENT RESULTS

NORMAL RANGES

Comments:
 Progyny
 DFI

Volume (cc): 5.2
 Count (mil/cc): 12
 Motility (%): 50%
 Grade: 2/3
 pH: 8.0
 Round Cells (lpf): 0-1
 Viscosity: V
 Agglutination: 0
 Normal Morphology (%): 3
 Head Defects (%): _____
 Midpiece (%): _____
 Tail (%): _____
 Total Abnormal (%): _____

(WHO, 2006)	(WHO, 2010)
2.0 - 5.0 cc	1.5 - 6 cc
> 20 mil/cc	>15 mil/cc
> 50 %	> 32%
3 - 4	3 - 4
7.2 - 8.0	≥ 7.2
< 10/lpf	< 1
Normal	Normal
None	None
> 30%	> 4%
	(strict criteria)

Insemination Prep:

Tech: [Signature]