

# For Medical Professionals

## Semen analysis + sperm DNA fragmentation

Kevin Chambers  
09/14/1993

Client ID: 787551  
Kit #10121032  
Analyzed on: 12/04/2024

	VALUE	WHO 5TH NORMAL THRESHOLD
<b>Analysis information</b>		
Date and time of analysis	12/04/2024 01:40 PM (EST)	
Days of abstinence	4	
Date and time of collection	12/03/2024 02:56 PM (EST)	
Entire specimen collected	Yes	
Percentage of specimen sample missing	N/A	

### Semen analysis

Volume	1.80 mL	≥1.5 mL
Total count	162.21 M	≥39 M
Total motile count	35.23 M	≥20 M
Concentration	90.12 M/mL	≥15 M/mL
Motility	21.72%	≥40%
Morphology (WHO)	0.00%	≥4%

Client's self-reported sample volume was inconsistent with the semen volume measured in our lab. The parameters reported above are calculated based on the total volume of the sample received in our lab.

### DNA fragmentation

DNA fragmentation	14.00%	≤45% (Legacy reference range)
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In line with WHO recommendations, Legacy has validated our internal reference range for DNA fragmentation index (DFI) using the appropriate studies. Based on our results and observations, the appropriate normal GiveLegacy range for DNA Fragmentation index using our mail-in kit is below the 45% threshold. Compared to physical clinics and labs, this reference range is slightly higher to account for the novel sperm environment and transport conditions.

### Motion analysis

Total motility	21.72%	≥40%
Progressive motility	8.78%	≥32%

### Post-thaw analysis

Vials cryopreserved		
Post-thaw motility	N/A	N/A

### Lab observations

The submitted sample contained debris.

### Lab information

Lab	Give Legacy - New Jersey, LLC, CLIA: 31D2285605
Lab address	22 Hudson Place, Suite 4N & 4S, Hoboken, NJ 07030
Lab director	Daniel H. Farkas, PhD, HCLD
Technologist	Xiti Joshi

Sample was centrifuged at 2000 rpm for 10 minutes. Pellets were re-suspended and observed under the microscope.