

Spermogram Analysis Report



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Client Demographics

Name: John Doe
Address: 8994 Deep Run Rd
Charleston, SC 29407
DOB: 11/27/1988
SSN: 987-65-4321

| | | |
|------------------------|-----------------------------|------------------------|
| Reason for Test: | Fertility | CONFIDENTIAL |
| Specimen Type: | Whole Semen | Date of Test: 7/7/2018 |
| Type of test: | Spermogram (Semen Analysis) | Time of Test: 10:22 AM |
| Collection location: | In office / laboratory | Report Date: 7/11/2018 |
| Collection start time: | 10:22 AM | |
| Collection method: | Dry masturbation | |
| Sample delivered time | 10:38 AM | |
| Analysis start time: | 10:56 AM at liquefaction | |

PATIENT PARAMETERS

| <u>PATIENT PARAMETERS</u> | <u>RESULTS</u> | <u>PREFERRED</u> |
|----------------------------|--------------------------------|------------------------------|
| Abstinence time (days) | 3.5 | 2 to 7 |
| Difficulties in collection | none | none |
| Last ejaculation (days) | 3.5 days before test | 2 to 7 |
| Last urination (hours) | 2 hours before test | immediately prior to test |
| Urination abnormalities | none | none |
| Medications | none | none that effect semen/sperm |
| Smoking habit | 14 years; 1 pack per day | none |
| Alcohol habit | once a month (18 pack beer) | none |
| Drug use | once a month (THC) | none |
| Herbal supplements | none | none |
| Underwear use | boxers, some briefs | boxers |
| Occupation | truck driver; 12 hours sitting | non-sedentary |

SEMEN ANALYSIS

| <u>SEMEN ANALYSIS</u> | <u>RESULTS</u> | <u>TEST LEVELS</u> |
|-----------------------------------|------------------|--------------------------|
| Pre-treatment (e.g. bromelain) | none | as needed |
| Complete Sample | 1 | 1=complete; 2=incomplete |
| Appearance | 1 | 1= normal; 2= abnormal |
| Viscosity | 1 | 1= normal; 2= abnormal |
| Liquefaction (minutes) | 1 (10) | 1= normal; 2= abnormal |
| Agglutination (1-4) (A-E) | 1 - A | comment: minimal - heads |
| pH | 8.5 - 9.0 | > 7.2 |
| Volume (ml)* calculated by weight | 3/4 ml (0.725 g) | 2-5 ml |

SPERMATOZOA ANALYSIS

| <u>SPERMATOZOA ANALYSIS</u> | <u>RESULTS</u> | <u>TEST LEVELS</u> |
|-------------------------------|----------------|---------------------------|
| Total Number [millions] | 12 | >39 |
| Concentration [millions / ml] | 16 | >15 |
| Error (%) | n/a | if fewer than 400 counted |
| Vitality (% alive) | 70% | >58 |
| Total motile [PR + NP] (%) | 70% | >40 |
| Progressive [PR] (%) | 40% | >32 |
| Non-progressive [NP] (%) | 30% | of total |
| Immotile [IM] (%) | 30% | of total |
| Normal forms (%) | 50% | >4 |
| Abnormal heads (%) | 10% | of total abnormalities |
| Abnormal midpieces (%) | 20% | of total abnormalities |
| Abnormal principal pieces (%) | 20% | of total abnormalities |

Testing was performed in concordance with the *World Health Organization (WHO) laboratory manual for the examination and processing of human semen* (2010) Fifth Edition, and with parameters outlined in: Pagana KD, Pagana TJ (2010). *Mosby's Manual of Diagnostic and Laboratory Tests*, 4th ed. St. Louis: Mosby Elsevier. The validity of this document can be confirmed by contacting Dr. Robert Bennett at 843-571-7488.

Reviewed and Attested to by: Dr. Robert Bennett

Robert M. Bennett, Ph.D. Forensic Scientist