

Dr. Vinay Chopra
 MD (Pathology & Microbiology)
 Chairman & Consultant Pathologist

Dr. Yugam Chopra
 MD (Pathology)
 CEO & Consultant Pathologist

| | | | |
|-----------------------|--|--------------------------|------------------------|
| NAME | : Mr. ARUN RAWAT | PATIENT ID | : 1781099 |
| AGE/ GENDER | : 33 YRS/MALE | REG. NO./LAB NO. | : 012503060051 |
| COLLECTED BY | : | REGISTRATION DATE | : 06/Mar/2025 04:39 PM |
| REFERRED BY | : | COLLECTION DATE | : 06/Mar/2025 04:40PM |
| BARCODE NO. | : 01526581 | REPORTING DATE | : 06/Mar/2025 05:34PM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | | |

| Test Name | Value | Unit | Biological Reference interval |
|-----------|-------|------|-------------------------------|
|-----------|-------|------|-------------------------------|

CLINICAL PATHOLOGY

SEMEN ANALYSIS/SEMINOGRAM

PHYSICAL EXAMINATION

| | | | |
|-----------------------------|----------------|-------|----------------|
| TIME OF SPECIMEN COLLECTION | 06-03-2025 | AM/PM | |
| DURATION OF ABSTINENCE | 3 DAYS | DAYS | 2 - 7 |
| TYPE OF SAMPLE | FRESH | | |
| LIQUIFACTION TIME AT 37°C | < 30 MINS | MINS | 30 - 60 |
| VOLUME | 1 | ML | |
| COLOUR | WHITISH OPAQUE | | WHITISH OPAQUE |
| VISCOSITY | VISCOUS | | VISCOUS |
| pH | 8 ^H | | 5.0 - 7.5 |

AUTOMATED SEMEN ANALYSIS, GOLD STANDARD, WHO APPROVED (SQA GOLD)

| | | | |
|--|-------|-------------|----------|
| TOTAL SPERM CONCENTRATION | 119.8 | Millions/mL | 12 - 16 |
| <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | | | |
| TOTAL MOTILITY (GRADE A + GRADE B + GRADE C) | 48 | % | > = 42.0 |
| <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | | | |
| RAPIDLY PROGRESSIVE MOTILITY (GRADE A) | 29 | % | > = 30.0 |
| <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | | | |
| SLOWLY PROGRESSIVE MOTILITY (GRADE B) | 12 | % | >= 30 |
| <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | | | |
| NON PROGRESSIVE MOTILITY (GRADE C) | 7 | % | <= 1 |
| <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | | | |
| IMMOTILE | 52 | % | |
| <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | | | |
| MORPHOLOGY NORMAL | 8 | % | > = 4.0 |
| <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | | | |
| MOTILE SPERM CONCENTRATION | 57.4 | Millions/mL | > = 6.0 |
| <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | | | |
| RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION | 9.3 | Millions/mL | > = 5.0 |
| <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | | | |
| SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION | 34.9 | Millions/mL | |
| <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | | | |
| FUNCTIONAL SPERM CONCENTRATION | 47 | Millions/mL | |




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| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM VELOCITY (AVERAGE PATH VELOCITY) | 14.4 | Mic/sec | > = 5 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM SPERM MOTILE INDEX (SMI) | 277 | | > = 80 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL PER EJACULATION | | | |
| TOTAL SPERM NUMBER | 119.8 | Millions/ejc. | > = 39.0 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL MOTILE SPERM | 57.4 | Millions/ejc. | > = 16.0 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL PROGRESSIVE MOTILE SPERM | 49.3 | Millions/ejc. | > = 12.0 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL FUNCTIONAL SPERM | 9.3 | Millions/ejc. | |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL MORPHOLOGY NORMAL SPERM | 9.6 | Millions/ejc. | > = 2.0 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM MANUAL MICROSCOPY AND MORPHOLOGY | | | |
| VITALITY | 72 | % | |
| by MICROSCOPY RED BLOOD CELLS (RBCs) | NOT DETECTED | /HPF | NOT DETECTED |
| by MICROSCOPY PUS CELLS | 1-3 | /HPF | 0 - 5 |
| by MICROSCOPY AGGLUTINATES | NOT DETECTED | | NOT DETECTED |
| by MICROSCOPY AMORPHOUS DEPOSITS/ROUND CELLS/DEBRIS | NOT DETECTED | | NOT DETECTED |
| by MICROSCOPY BACTERIA | NEGATIVE (-ve) | | NEGATIVE (-ve) |
| by MICROSCOPY HEAD DEFECTS | 36 | % | |
| by MICROSCOPY PIN HEADS | 8 | % | |
| by MICROSCOPY NECK AND MID-PIECE DEFECTS | 25 | % | |
| by MICROSCOPY TAIL DEFECTS | 20 | % | |
| by MICROSCOPY | | | |




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CYTOPLASMIC DROPLETS
 by MICROSCOPY

2 %

ACROSOME/NUCLEUS DEFECTS
 by MICROSCOPY

1 %

CHEMICAL EXAMINATION

SEMEN FRUCTOSE (QUALITATIVE)
 by QUALITATIVE METHOD USING RESORCINOL

POSITIVE (+ve)

POSITIVE (+ve)


INTERPRETATION:

1. Fructose is the energy source for sperm motility. A positive fructose is considered normal.
 2. Azoospermia and fructose negative results may indicate an absence of seminal vesicles / vas deferens in the area of seminal vesicles / obstruction of seminal vesicles.

*** End Of Report ***




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