

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

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

NAME : Mr. VARINDER
AGE/ GENDER : 30 YRS/MALE
COLLECTED BY :
REFERRED BY :
BARCODE NO. : 01522495
CLIENT CODE. : KOS DIAGNOSTIC LAB
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1700025
REG. NO./LAB NO. : 012412160007
REGISTRATION DATE : 16/Dec/2024 09:11 AM
COLLECTION DATE : 16/Dec/2024 09:12AM
REPORTING DATE : 16/Dec/2024 10:58AM

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

CLINICAL PATHOLOGY SEMEN ANALYSIS/SEMINOGRAM

PHYSICAL EXAMINATION

| | | | |
|-----------------------------|----------------|-------|----------------|
| TIME OF SPECIMEN COLLECTION | 16-12-2024 | 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 <small>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</small> | NIL | Millions/mL | 12 - 16 |
| TOTAL MOTILITY (GRADE A + GRADE B + GRADE C) <small>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</small> | NIL | % | > = 42.0 |
| MOTILE SPERM CONCENTRATION <small>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</small> | N.A | Millions/mL | > = 6.0 |
| SPERM MOTILE INDEX (SMI) <small>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</small> | 0 | | > = 80 |

TOTAL PER EJACULATION

| | | | |
|--|-----|---------------|----------|
| TOTAL SPERM NUMBER <small>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</small> | NIL | Millions/ejc. | > = 39.0 |
| TOTAL MOTILE SPERM <small>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</small> | N.A | Millions/ejc. | > = 16.0 |
| TOTAL PROGRESSIVE MOTILE SPERM <small>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</small> | N.A | Millions/ejc. | > = 12.0 |
| TOTAL FUNCTIONAL SPERM <small>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</small> | N.A | Millions/ejc. | |
| TOTAL MORPHOLOGY NORMAL SPERM <small>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</small> | N.A | Millions/ejc. | > = 2.0 |

MANUAL MICROSCOPY AND MORPHOLOGY



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| | | | |
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| Test Name | Value | Unit | Biological Reference interval |
|--|-----------------------|------|-------------------------------|
| VITALITY <i>by MICROSCOPY</i> | N.A | % | |
| RED BLOOD CELLS (RBCs) <i>by MICROSCOPY</i> | NOT DETECTED | /HPF | NOT DETECTED |
| PUS CELLS <i>by MICROSCOPY</i> | 1-4 | /HPF | 0 - 5 |
| AGGLUTINATES <i>by MICROSCOPY</i> | NOT DETECTED | | NOT DETECTED |
| AMORPHOUS DEPOSITS/ROUND CELLS/DEBRIS <i>by MICROSCOPY</i> | NOT DETECTED | | NOT DETECTED |
| BACTERIA <i>by MICROSCOPY</i> | NEGATIVE (-ve) | | NEGATIVE (-ve) |
| CHEMICAL EXAMINATION | | | |
| SEMEN FRUCTOSE (QUALITATIVE) <i>by QUALITATIVE METHOD USING RESORCINOL</i> | POSITIVE (+ve) | | POSITIVE (+ve) |
| IMPRESSION | AZOOSPERMIA | | |


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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