

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

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

<b>NAME</b>	: Mr. ARUN	<b>PATIENT ID</b>	: 1664367
<b>AGE/ GENDER</b>	: 38 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 012411070055
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 07/Nov/2024 02:26 PM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 07/Nov/2024 02:28PM
<b>BARCODE NO.</b>	: 01520312	<b>REPORTING DATE</b>	: 07/Nov/2024 04:46PM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
<b>CLIENT ADDRESS</b>	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
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**CLINICAL PATHOLOGY**  
**SEMEN ANALYSIS/SEMINOGRAM**

**PHYSICAL EXAMINATION**

TIME OF SPECIMEN COLLECTION	07-11-2024	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	1.5	ML	
COLOUR	WHITISH OPAQUE		WHITISH OPAQUE
VISCOSITY	MILDLY VISCOUS		VISCOUS
pH	<b>g<sup>H</sup></b>		5.0 - 7.5

**AUTOMMATED SEMEN ANALYSIS, GOLD STANDARD, WHO APPROVED (SQA GOLD)**

TOTAL SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	NIL	Millions/mL	12 - 16
TOTAL MOTILITY (GRADE A + GRABE B + GRADE C) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	0	%	> = 42.0
MOTILE SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	N.A	Millions/mL	> = 6.0
SPERM MOTILE INDEX (SMI) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	N.A		> = 80
<b><u>TOTAL PER EJACULATION</u></b>			
TOTAL SPERM NUMBER <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	NIL	Millions/ejc.	> = 39.0
TOTAL MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	N.A	Millions/ejc.	> = 16.0
TOTAL PROGRESSIVE MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	N.A	Millions/ejc.	> = 12.0
TOTAL FUNCTIONAL SPERM <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	N.A	Millions/ejc.	
TOTAL MORPHOLOGY NORMAL SPERM <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	N.A	Millions/ejc.	> = 2.0

**MANUAL MICROSCOPY AND MORPHOLOGY**



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

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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>	5-8	/HPF	0 - 5
EPITHELIAL CELLS <i>by MICROSCOPY</i>	2-4	/HPF	ABSENT
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)
<b>CHEMICAL EXAMINATION</b>			
<b>SEMEN FRUCTOSE (QUALITATIVE)</b> <i>by QUALITATIVE METHOD USING RESORCINOL</i>	<b>POSITIVE (+ve)</b>		<b>POSITIVE (+ve)</b>
<b>IMPRESSION</b>	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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