

Dr. Vinay Chopra  
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Chairman & Consultant Pathologist

Dr. Yugam Chopra  
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<b>NAME</b>	: Mr. PARDEEP KUMAR	<b>PATIENT ID</b>	: 1713958
<b>AGE/ GENDER</b>	: 33 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 012501020031
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 02/Jan/2025 11:27 AM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 02/Jan/2025 11:30AM
<b>BARCODE NO.</b>	: 01523337	<b>REPORTING DATE</b>	: 02/Jan/2025 03:12PM
<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	02-01-2025	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	<b>gH</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>	110.3	Millions/mL	12 - 16
TOTAL MOTILITY (GRADE A + GRABE B + GRADE C) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	35	%	> = 42.0
RAPIDLY PROGRESSIVE MOTILITY (GRADE A) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	4	%	> = 30.0
SLOWLY PROGRESSIVE MOTILITY (GRADE B) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	21	%	>= 30
NON PROGRESSIVE MOTILITY (GRADE C) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	10	%	<= 1
IMMOTILE <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	65	%	
MORPHOLOGY NORMAL <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	4	%	> = 4.0
MOTILE SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	38.4	Millions/mL	> = 6.0
RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	4.4	Millions/mL	> = 5.0
SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	22.8	Millions/mL	
FUNCTIONAL SPERM CONCENTRATION	2.7	Millions/mL	



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<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i> VELOCITY (AVERAGE PATH VELOCITY)	31	Mic/sec	> = 5
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i> SPERM MOTILE INDEX (SMI)	84		> = 80
<b><u>TOTAL PER EJACULATION</u></b>			
TOTAL SPERM NUMBER <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	110.3	Millions/ejc.	> = 39.0
TOTAL MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	38.4	Millions/ejc.	> = 16.0
TOTAL PROGRESSIVE MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	27.1	Millions/ejc.	> = 12.0
TOTAL FUNCTIONAL SPERM <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	2.7	Millions/ejc.	
TOTAL MORPHOLOGY NORMAL SPERM <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	4.4	Millions/ejc.	> = 2.0
<b><u>MANUAL MICROSCOPY AND MORPHOLOGY</u></b>			
VITALITY <i>by MICROSCOPY</i>	69	%	
RED BLOOD CELLS (RBCs) <i>by MICROSCOPY</i>	NOT DETECTED	/HPF	NOT DETECTED
PUS CELLS <i>by MICROSCOPY</i>	1-3	/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)
HEAD DEFECTS <i>by MICROSCOPY</i>	37	%	
PIN HEADS <i>by MICROSCOPY</i>	9	%	
NECK AND MID-PIECE DEFECTS <i>by MICROSCOPY</i>	28	%	
TAIL DEFECTS <i>by MICROSCOPY</i>	19	%	



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CYTOPLASMIC DROPLETS <i>by MICROSCOPY</i>	2	%	
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ACROSOME/NUCLEUS DEFECTS <i>by MICROSCOPY</i>	1	%	
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**CHEMICAL EXAMINATION**

<b>SEMEN FRUCTOSE (QUALITATIVE)</b> <i>by QUALITATIVE METHOD USING RESORCINOL</i>	<b>POSITIVE (+ve)</b>	<b>POSITIVE (+ve)</b>
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**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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