

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

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

<b>NAME</b>	: Mr. YASH KAUSHAL	<b>PATIENT ID</b>	: 1747834
<b>AGE/ GENDER</b>	: 29 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 012502060034
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 06/Feb/2025 03:21 PM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 06/Feb/2025 03:24PM
<b>BARCODE NO.</b>	: 01525058	<b>REPORTING DATE</b>	: 06/Feb/2025 05:15PM
<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	06-02-2025	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	1.5	ML	
COLOUR	WHITISH OPAQUE		WHITISH OPAQUE
VISCOSITY	VISCOUS		VISCOUS
pH	<b>gH</b>		5.0 - 7.5

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

TOTAL SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	244.2	Millions/mL	12 - 16
TOTAL MOTILITY (GRADE A + GRADE B + GRADE C) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	66	%	> = 42.0
RAPIDLY PROGRESSIVE MOTILITY (GRADE A) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	24	%	> = 30.0
SLOWLY PROGRESSIVE MOTILITY (GRADE B) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	36	%	>= 30
NON PROGRESSIVE MOTILITY (GRADE C) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	6	%	<= 1
IMMOTILE <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	34	%	
MORPHOLOGY NORMAL <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	13	%	> = 4.0
MOTILE SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	160.7	Millions/mL	> = 6.0
RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	57.7	Millions/mL	> = 5.0
SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	88.5	Millions/mL	
FUNCTIONAL SPERM CONCENTRATION	41.3	Millions/mL	



  
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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.


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<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i> VELOCITY (AVERAGE PATH VELOCITY)	60	Mic/sec	> = 5
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i> SPERM MOTILE INDEX (SMI)	583		> = 80
<b><u>TOTAL PER EJACULATION</u></b>			
TOTAL SPERM NUMBER	366.3	Millions/ejc.	> = 39.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i> TOTAL MOTILE SPERM	241	Millions/ejc.	> = 16.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i> TOTAL PROGRESSIVE MOTILE SPERM	219.3	Millions/ejc.	> = 12.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i> TOTAL FUNCTIONAL SPERM	62	Millions/ejc.	
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i> TOTAL MORPHOLOGY NORMAL SPERM	47.6	Millions/ejc.	> = 2.0
<b><u>MANUAL MICROSCOPY AND MORPHOLOGY</u></b>			
VITALITY	74	%	
<i>by MICROSCOPY</i> RED BLOOD CELLS (RBCs)	0-2	/HPF	NOT DETECTED
<i>by MICROSCOPY</i> PUS CELLS	1-3	/HPF	0 - 5
<i>by MICROSCOPY</i> AGGLUTINATES	NOT DETECTED		NOT DETECTED
<i>by MICROSCOPY</i> AMORPHOUS DEPOSITS/ROUND CELLS/DEBRIS	NOT DETECTED		NOT DETECTED
<i>by MICROSCOPY</i> BACTERIA	NEGATIVE (-ve)		NEGATIVE (-ve)
<i>by MICROSCOPY</i> HEAD DEFECTS	34	%	
<i>by MICROSCOPY</i> PIN HEADS	10	%	
<i>by MICROSCOPY</i> NECK AND MID-PIECE DEFECTS	23	%	
<i>by MICROSCOPY</i> TAIL DEFECTS	18	%	



  
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Test Name	Value	Unit	Biological Reference interval
CYTOPLASMIC DROPLETS <i>by MICROSCOPY</i>	1	%	
ACROSOME/NUCLEUS DEFECTS <i>by MICROSCOPY</i>	1	%	
<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>INTERPRETATION:</b>			
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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