

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

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

<b>NAME</b>	: Mr. RAKESH	<b>PATIENT ID</b>	: 1653774
<b>AGE/ GENDER</b>	: 39 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 012503220017
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 22/Mar/2025 08:59 AM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 22/Mar/2025 09:00AM
<b>BARCODE NO.</b>	: 01527536	<b>REPORTING DATE</b>	: 22/Mar/2025 05:01PM
<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	22-03-2025	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	1.5	ML	
COLOUR	WHITISH OPAQUE		WHITISH OPAQUE
VISCOSITY	VISCOUS		VISCOUS
pH	8 <sup>H</sup>		5.0 - 7.5

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

TOTAL SPERM CONCENTRATION	125.6	Millions/mL	12 - 16
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
TOTAL MOTILITY (GRADE A + GRADE B + GRADE C)	42	%	> = 42.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
RAPIDLY PROGRESSIVE MOTILITY (GRADE A)	23	%	> = 30.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
SLOWLY PROGRESSIVE MOTILITY (GRADE B)	13	%	>= 30
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
NON PROGRESSIVE MOTILITY (GRADE C)	6	%	<= 1
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
IMMOTILE	58	%	
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
MORPHOLOGY NORMAL	7	%	> = 4.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
MOTILE SPERM CONCENTRATION	53.3	Millions/mL	> = 6.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION	28.6	Millions/mL	> = 5.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION	15.8	Millions/mL	
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
FUNCTIONAL SPERM CONCENTRATION	7.5	Millions/mL	



  
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by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM VELOCITY (AVERAGE PATH VELOCITY)	43	Mic/sec	> = 5
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM SPERM MOTILE INDEX (SMI)	208		> = 80
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM <b>TOTAL PER EJACULATION</b>			
TOTAL SPERM NUMBER	188.4	Millions/ejc.	> = 39.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL MOTILE SPERM	80	Millions/ejc.	> = 16.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL PROGRESSIVE MOTILE SPERM	66.8	Millions/ejc.	> = 12.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL FUNCTIONAL SPERM	11.3	Millions/ejc.	
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL MORPHOLOGY NORMAL SPERM	13.2	Millions/ejc.	> = 2.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM <b>MANUAL MICROSCOPY AND MORPHOLOGY</b>			
VITALITY	67	%	
by MICROSCOPY RED BLOOD CELLS (RBCs)	NOT DETECTED	/HPF	NOT DETECTED
by MICROSCOPY PUS CELLS	6-8	/HPF	0 - 5
by MICROSCOPY EPITHELIAL CELLS	1-2	/HPF	ABSENT
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	35	%	
by MICROSCOPY PIN HEADS	10	%	
by MICROSCOPY NECK AND MID-PIECE DEFECTS	27	%	



  
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Test Name	Value	Unit	Biological Reference interval
TAIL DEFECTS <i>by MICROSCOPY</i>	18	%	
CYTOPLASMIC DROPLETS <i>by MICROSCOPY</i>	2	%	
ACROSOME/NUCLEUS DEFECTS <i>by MICROSCOPY</i>	1	%	

**CHEMICAL EXAMINATION**

**SEMEN FRUCTOSE (QUALITATIVE)**

**POSITIVE (+ve)**

**POSITIVE (+ve)**

*by QUALITATIVE METHOD USING RESORCINOL*

**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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