

<b>NAME</b>	: Mr. AJAY SINGH	<b>PATIENT ID</b>	: 1730507
<b>AGE/ GENDER</b>	: 36 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 012501210043
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 21/Jan/2025 03:55 PM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 21/Jan/2025 03:58PM
<b>BARCODE NO.</b>	: 01524203	<b>REPORTING DATE</b>	: 21/Jan/2025 05:59PM
<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	21-01-2025	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	8 <sup>H</sup>		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>	10.8	Millions/mL	12 - 16
TOTAL MOTILITY (GRADE A + GRADE B + GRADE C) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	46	%	> = 42.0
RAPIDLY PROGRESSIVE MOTILITY (GRADE A) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	9	%	> = 30.0
SLOWLY PROGRESSIVE MOTILITY (GRADE B) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	7	%	>= 30
NON PROGRESSIVE MOTILITY (GRADE C) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	30	%	<= 1
IMMOTILE <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	54	%	
MORPHOLOGY NORMAL <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	0	%	> = 4.0
MOTILE SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	5	Millions/mL	> = 6.0
RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	0.9	Millions/mL	> = 5.0
SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	0.8	Millions/mL	
FUNCTIONAL SPERM CONCENTRATION	0.1	Millions/mL	



  
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by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
VELOCITY (AVERAGE PATH VELOCITY)	12	Mic/sec	> = 5
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
SPERM MOTILE INDEX (SMI)	18		> = 80
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
<b><u>TOTAL PER EJACULATION</u></b>			
TOTAL SPERM NUMBER	10.8	Millions/ejc.	> = 39.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
TOTAL MOTILE SPERM	5	Millions/ejc.	> = 16.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
TOTAL PROGRESSIVE MOTILE SPERM	1.7	Millions/ejc.	> = 12.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
TOTAL FUNCTIONAL SPERM	0.1	Millions/ejc.	
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
TOTAL MORPHOLOGY NORMAL SPERM	0.3	Millions/ejc.	> = 2.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
<b><u>MANUAL MICROSCOPY AND MORPHOLOGY</u></b>			
VITALITY	78	%	
by MICROSCOPY			
RED BLOOD CELLS (RBCs)	NOT DETECTED	/HPF	NOT DETECTED
by MICROSCOPY			
PUS CELLS	0-3	/HPF	0 - 5
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	37	%	
by MICROSCOPY			
PIN HEADS	9	%	
by MICROSCOPY			
NECK AND MID-PIECE DEFECTS	28	%	
by MICROSCOPY			
TAIL DEFECTS	23	%	
by MICROSCOPY			



  
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CYTOPLASMIC DROPLETS <i>by MICROSCOPY</i>	2	%	
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>

**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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