

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

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

<b>NAME</b>	: Mr. DHARMINDER	<b>PATIENT ID</b>	: 1715589
<b>AGE/ GENDER</b>	: 29 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 012501040017
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 04/Jan/2025 10:13 AM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 04/Jan/2025 10:14AM
<b>BARCODE NO.</b>	: 01523413	<b>REPORTING DATE</b>	: 04/Jan/2025 02:56PM
<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	04-01-2025	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	71.5	Millions/mL	12 - 16
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
TOTAL MOTILITY (GRADE A + GRABE B + GRADE C)	53	%	> = 42.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
RAPIDLY PROGRESSIVE MOTILITY (GRADE A)	2	%	> = 30.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
SLOWLY PROGRESSIVE MOTILITY (GRADE B)	32	%	>= 30
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
NON PROGRESSIVE MOTILITY (GRADE C)	19	%	<= 1
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
IMMOTILE	47	%	
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
MORPHOLOGY NORMAL	7	%	> = 4.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
MOTILE SPERM CONCENTRATION	38.1	Millions/mL	> = 6.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION	1.3	Millions/mL	> = 5.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION	23.1	Millions/mL	
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
FUNCTIONAL SPERM CONCENTRATION	4.1	Millions/mL	



  
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by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM VELOCITY (AVERAGE PATH VELOCITY)	26	Mic/sec	> = 5
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM SPERM MOTILE INDEX (SMI)	69		> = 80
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM <b>TOTAL PER EJACULATION</b>			
TOTAL SPERM NUMBER	71.5	Millions/ejc.	> = 39.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL MOTILE SPERM	38.1	Millions/ejc.	> = 16.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL PROGRESSIVE MOTILE SPERM	24.4	Millions/ejc.	> = 12.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL FUNCTIONAL SPERM	4.1	Millions/ejc.	
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL MORPHOLOGY NORMAL SPERM	5	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	1-2	/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	36	%	
by MICROSCOPY PIN HEADS	8	%	
by MICROSCOPY NECK AND MID-PIECE DEFECTS	27	%	
by MICROSCOPY TAIL DEFECTS	19	%	
by MICROSCOPY			



  
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CYTOPLASMIC DROPLETS  
 by MICROSCOPY

2 %

ACROSOME/NUCLEUS DEFECTS  
 by MICROSCOPY

1 %

**CHEMICAL EXAMINATION**

**SEMEN FRUCTOSE (QUALITATIVE)**  
 by QUALITATIVE METHOD USING RESORCINOL

**POSITIVE (+ve)**


**POSITIVE (+ve)**


**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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