

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

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

<b>NAME</b>	: Mr. JAGTAR SINGH	<b>PATIENT ID</b>	: 1692179
<b>AGE/ GENDER</b>	: 36 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 012412060021
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 06/Dec/2024 11:03 AM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 06/Dec/2024 11:04AM
<b>BARCODE NO.</b>	: 01522063	<b>REPORTING DATE</b>	: 06/Dec/2024 01:05PM
<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	06-12-2024	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 <small>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</small>	237.5	Millions/mL	12 - 16
TOTAL MOTILITY (GRADE A + GRADE B + GRADE C) <small>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</small>	65	%	> = 42.0
RAPIDLY PROGRESSIVE MOTILITY (GRADE A) <small>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</small>	24	%	> = 30.0
SLOWLY PROGRESSIVE MOTILITY (GRADE B) <small>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</small>	35	%	>= 30
NON PROGRESSIVE MOTILITY (GRADE C) <small>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</small>	6	%	<= 1
IMMOTILE <small>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</small>	35	%	
MORPHOLOGY NORMAL <small>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</small>	13	%	> = 4.0
MOTILE SPERM CONCENTRATION <small>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</small>	154.7	Millions/mL	> = 6.0
RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION <small>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</small>	56.9	Millions/mL	> = 5.0
SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION <small>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</small>	84.1	Millions/mL	
FUNCTIONAL SPERM CONCENTRATION	39.8	Millions/mL	



  
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by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM VELOCITY (AVERAGE PATH VELOCITY)	61	Mic/sec	> = 5
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM SPERM MOTILE INDEX (SMI)	612		> = 80
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM <b>TOTAL PER EJACULATION</b>			
TOTAL SPERM NUMBER	237.5	Millions/ejc.	> = 39.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL MOTILE SPERM	154.7	Millions/ejc.	> = 16.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL PROGRESSIVE MOTILE SPERM	141	Millions/ejc.	> = 12.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL FUNCTIONAL SPERM	39.8	Millions/ejc.	
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL MORPHOLOGY NORMAL SPERM	30.9	Millions/ejc.	> = 2.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM <b>MANUAL MICROSCOPY AND MORPHOLOGY</b>			
VITALITY	71	%	
by MICROSCOPY RED BLOOD CELLS (RBCs)	NOT DETECTED	/HPF	NOT DETECTED
by MICROSCOPY PUS CELLS	3-4	/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	35	%	
by MICROSCOPY PIN HEADS	8	%	
by MICROSCOPY NECK AND MID-PIECE DEFECTS	26	%	
by MICROSCOPY TAIL DEFECTS	15	%	



  
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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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