

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

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

<b>NAME</b>	: Mr. TARSEM SINGH	<b>PATIENT ID</b>	: 1551767
<b>AGE/ GENDER</b>	: 28 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 012407170042
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 17/Jul/2024 12:16 PM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 17/Jul/2024 12:17PM
<b>BARCODE NO.</b>	: 01513318	<b>REPORTING DATE</b>	: 17/Jul/2024 05:02PM
<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	17-07-2024	AM/PM	
DURATION OF ABSTINENCE	3 DAYS	DAYS	2 - 7
TYPE OF STONE	FRESH		
LIQUIFACTION TIME AT 37°C	< 30 MINS	MINS	30 - 60
VOLUME	1.2	ML	
COLOUR	WHITISH OPAQUE		WHITISH OPAQUE
VISCOSITY	MILDLY VISCOUS		VISCOUS
<b>pH</b>	<b>gH</b>		<b>5.0 - 7.5</b>

**AUTOMMATED SEMEN ANALYSIS, GOLD STANDARD, WHO APPROVED (SOA GOLD)**

TOTAL SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	NIL	Millions/mL	12 - 16
TOTAL MOTILITY (GRADE A + GRABE B + GRADE C) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	0	%	> = 42.0
MORPHOLOGY NORMAL <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	N.A	%	> = 4.0
MOTILE SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	N.A	Millions/mL	> = 6.0
SPERM MOTILE INDEX (SMI) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	N.A		> = 80
<b>TOTAL PER EJACULATION</b>			
TOTAL SPERM NUMBER <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	NIL	Millions/ejc.	> = 39.0
TOTAL MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	N.A.	Millions/ejc.	> = 16.0
TOTAL PROGRESSIVE MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	N.A.	Millions/ejc.	> = 12.0
TOTAL FUNCTIONAL SPERM <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	N.A.	Millions/ejc.	



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

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TOTAL MORPHOLOGY NORMAL SPERM <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	N.A.	Millions/ejc.	> = 2.0
<b><u>MANUAL MICROSCOPY AND MORPHOLOGY</u></b>			
VITALITY <i>by MICROSCOPY</i>	N.A	%	
RED BLOOD CELLS (RBCs) <i>by MICROSCOPY</i>	NOT DETECTED	/HPF	NOT DETECTED
PUS CELLS <i>by MICROSCOPY</i>	0-3	/HPF	0 - 5
AGGLUTINATES <i>by MICROSCOPY</i>	NOT DETECTED		NOT DETECTED
AMORPHOUS DEPOSITS/ROUND CELLS/DEBRIS <i>by MICROSCOPY</i>	NOT DETECTED		NOT DETECTED
BACTERIA <i>by MICROSCOPY</i>	NEGATIVE (-ve)		NEGATIVE (-ve)
<b><u>CHEMICAL EXAMINATION</u></b>			
SEMEN FRUCTOSE (QUALITATIVE) <i>by QUALITATIVE METHOD USING RESORCINOL</i>	POSITIVE (+ve)		POSITIVE (+ve)
IMPRESSION	AZOOSPERMIA		

**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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