

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

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

NAME	: Mr. NEERAJ	PATIENT ID	: 1826561
AGE/ GENDER	: 31 YRS/MALE	REG. NO./LAB NO.	: 012504110010
COLLECTED BY	:	REGISTRATION DATE	: 11/Apr/2025 09:04 AM
REFERRED BY	:	COLLECTION DATE	: 11/Apr/2025 09:08AM
BARCODE NO.	: 01528780	REPORTING DATE	: 11/Apr/2025 11:00AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		
CLIENT ADDRESS	: 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	11-04-2025	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	
APPEARENCE	WHITISH OPAQUE		
COLOUR	WHITISH OPAQUE		WHITISH OPAQUE
VISCOSITY	VISCOUS		VISCOUS
pH	8 ^H		5.0 - 7.5

AUTOMMATED SEMEN ANALYSIS, GOLD STANDARD, WHO APPROVED (SQA GOLD)

TOTAL SPERM CONCENTRATION	124.1	Millions/mL	12 - 16
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
TOTAL MOTILITY (GRADE A + GRABE B + GRADE C)	43	%	> = 42.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
RAPIDLY PROGRESSIVE MOTILITY (GRADE A)	11	%	> = 30.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
SLOWLY PROGRESSIVE MOTILITY (GRADE B)	21	%	>= 30
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
NON PROGRESSIVE MOTILITY (GRADE C)	11	%	<= 1
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
IMMOTILE	57	%	
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
MORPHOLOGY NORMAL	5	%	> = 4.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
MOTILE SPERM CONCENTRATION	53.2	Millions/mL	> = 6.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION	13.4	Millions/mL	> = 5.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			




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SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	26.5	Millions/mL	
FUNCTIONAL SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	4.9	Millions/mL	
VELOCITY (AVERAGE PATH VELOCITY) <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	34	Mic/sec	> = 5
SPERM MOTILE INDEX (SMI) <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	124		> = 80
<u>TOTAL PER EJACULATION</u>			
TOTAL SPERM NUMBER <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	124.1	Millions/ejc.	> = 39.0
TOTAL MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	39.9	Millions/ejc.	> = 16.0
TOTAL PROGRESSIVE MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	53.2	Millions/ejc.	> = 12.0
TOTAL FUNCTIONAL SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	4.9	Millions/ejc.	
TOTAL MORPHOLOGY NORMAL SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	6.2	Millions/ejc.	> = 2.0
<u>MANUAL MICROSCOPY AND MORPHOLOGY</u>			
VITALITY <i>by MICROSCOPY</i>	58	%	
RED BLOOD CELLS (RBCs) <i>by MICROSCOPY</i>	NOT DETECTED	/HPF	NOT DETECTED
PUS CELLS <i>by MICROSCOPY</i>	3-6	/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)
HEAD DEFECTS <i>by MICROSCOPY</i>	35	%	
PIN HEADS <i>by MICROSCOPY</i>	11	%	




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NECK AND MID-PIECE DEFECTS <i>by MICROSCOPY</i>	27	%	
TAIL DEFECTS <i>by MICROSCOPY</i>	19	%	
CYTOPLASMIC DROPLETS <i>by MICROSCOPY</i>	2	%	
ACROSOME/NUCLEUS DEFECTS <i>by MICROSCOPY</i>	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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