

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

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

NAME	: Mr. SHIVAM	PATIENT ID	: 1093232
AGE/ GENDER	: 29 YRS/MALE	REG. NO./LAB NO.	: 012411090004
COLLECTED BY	:	REGISTRATION DATE	: 09/Nov/2024 07:31 AM
REFERRED BY	:	COLLECTION DATE	: 09/Nov/2024 07:44AM
BARCODE NO.	: 01520393	REPORTING DATE	: 09/Nov/2024 11:38AM
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	09-11-2024	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 ^H		5.0 - 7.5

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

TOTAL SPERM CONCENTRATION	82.7	Millions/mL	12 - 16
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
TOTAL MOTILITY (GRADE A + GRADE B + GRADE C)	43	%	> = 42.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
RAPIDLY PROGRESSIVE MOTILITY (GRADE A)	3	%	> = 30.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
SLOWLY PROGRESSIVE MOTILITY (GRADE B)	27	%	>= 30
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
NON PROGRESSIVE MOTILITY (GRADE C)	13	%	<= 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	35.9	Millions/mL	> = 6.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION	2.2	Millions/mL	> = 5.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION	22.5	Millions/mL	
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
FUNCTIONAL SPERM CONCENTRATION	3.1	Millions/mL	




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by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM VELOCITY (AVERAGE PATH VELOCITY)	30	Mic/sec	> = 5
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM SPERM MOTILE INDEX (SMI)	75		> = 80
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL PER EJACULATION			
TOTAL SPERM NUMBER by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	82.7	Millions/ejc.	> = 39.0
TOTAL MOTILE SPERM by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	24.7	Millions/ejc.	> = 16.0
TOTAL PROGRESSIVE MOTILE SPERM by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	35.9	Millions/ejc.	> = 12.0
TOTAL FUNCTIONAL SPERM by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	3.1	Millions/ejc.	
TOTAL MORPHOLOGY NORMAL SPERM by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	4.1	Millions/ejc.	> = 2.0
MANUAL MICROSCOPY AND MORPHOLOGY			
VITALITY by MICROSCOPY	68	%	
RED BLOOD CELLS (RBCs) by MICROSCOPY	NOT DETECTED	/HPF	NOT DETECTED
PUS CELLS by MICROSCOPY	1-3	/HPF	0 - 5
AGGLUTINATES by MICROSCOPY	NOT DETECTED		NOT DETECTED
AMORPHOUS DEPOSITS/ROUND CELLS/DEBRIS by MICROSCOPY	NOT DETECTED		NOT DETECTED
BACTERIA by MICROSCOPY	NEGATIVE (-ve)		NEGATIVE (-ve)
HEAD DEFECTS by MICROSCOPY	38	%	
PIN HEADS by MICROSCOPY	9	%	
NECK AND MID-PIECE DEFECTS by MICROSCOPY	27	%	
TAIL DEFECTS by MICROSCOPY	18	%	




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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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