

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

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

NAME : Mr. VISHAL
AGE/ GENDER : 24 YRS/MALE
COLLECTED BY :
REFERRED BY :
BARCODE NO. : 01522571
CLIENT CODE. : KOS DIAGNOSTIC LAB
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT
PATIENT ID : 1701244
REG. NO./LAB NO. : 012412170024
REGISTRATION DATE : 17/Dec/2024 10:45 AM
COLLECTION DATE : 17/Dec/2024 10:58AM
REPORTING DATE : 17/Dec/2024 05:38PM

Test Name	Value	Unit	Biological Reference interval
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CLINICAL PATHOLOGY
SEMEN ANALYSIS/SEMINOGRAM

PHYSICAL EXAMINATION

TIME OF SPECIMEN COLLECTION	17-12-2024	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	1.5	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 by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	161.7	Millions/mL	12 - 16
TOTAL MOTILITY (GRADE A + GRABE B + GRADE C) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	55	%	> = 42.0
RAPIDLY PROGRESSIVE MOTILITY (GRADE A) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	26	%	> = 30.0
SLOWLY PROGRESSIVE MOTILITY (GRADE B) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	21	%	> = 30
NON PROGRESSIVE MOTILITY (GRADE C) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	8	%	< = 1
IMMOTILE by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	45	%	
MORPHOLOGY NORMAL by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	9	%	> = 4.0
MOTILE SPERM CONCENTRATION by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	88.9	Millions/mL	> = 6.0
RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	41.4	Millions/mL	> = 5.0
SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	33.6	Millions/mL	
FUNCTIONAL SPERM CONCENTRATION	15.6	Millions/mL	



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by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM VELOCITY (AVERAGE PATH VELOCITY)	44	Mic/sec	> = 5
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM SPERM MOTILE INDEX (SMI)	281		> = 80
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM <u>TOTAL PER EJACULATION</u>			
TOTAL SPERM NUMBER	242.6	Millions/ejc.	> = 39.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL MOTILE SPERM	133.4	Millions/ejc.	> = 16.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL PROGRESSIVE MOTILE SPERM	112.5	Millions/ejc.	> = 12.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL FUNCTIONAL SPERM	23.4	Millions/ejc.	
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL MORPHOLOGY NORMAL SPERM	21.8	Millions/ejc.	> = 2.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM <u>MANUAL MICROSCOPY AND MORPHOLOGY</u>			
VITALITY	68	%	
by MICROSCOPY RED BLOOD CELLS (RBCs)	NOT DETECTED	/HPF	NOT DETECTED
by MICROSCOPY PUS CELLS	1-3	/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	9	%	
by MICROSCOPY NECK AND MID-PIECE DEFECTS	24	%	
by MICROSCOPY TAIL DEFECTS	19	%	




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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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