

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

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

NAME : Mr. DEEPAK
AGE/ GENDER : 27 YRS/MALE
COLLECTED BY :
REFERRED BY :
BARCODE NO. : 01515969
CLIENT CODE. : KOS DIAGNOSTIC LAB
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1469885
REG. NO./LAB NO. : 012408300029
REGISTRATION DATE : 30/Aug/2024 10:16 AM
COLLECTION DATE : 30/Aug/2024 10:17AM
REPORTING DATE : 30/Aug/2024 05:05PM

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

PHYSICAL EXAMINATION

TIME OF SPECIMEN COLLECTION	30-08-2024	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	1.5	ML	
COLOUR	WHITISH OPAQUE		WHITISH OPAQUE
VISCOSITY	MILDLY VISCOUS		VISCOUS
pH	7.5		5.0 - 7.5

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

TOTAL SPERM CONCENTRATION by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	3.1	Millions/mL	12 - 16
TOTAL MOTILITY (GRADE A + GRADE B + GRADE C) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	3	%	> = 42.0
RAPIDLY PROGRESSIVE MOTILITY (GRADE A) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	0	%	> = 30.0
SLOWLY PROGRESSIVE MOTILITY (GRADE B) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	1	%	>= 30
NON PROGRESSIVE MOTILITY (GRADE C) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	2	%	<= 1
IMMOTILE by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	97	%	
FUNCTIONAL SPERM CONCENTRATION by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	0	Millions/mL	
SPERM MOTILE INDEX (SMI) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	NIL		> = 80
TOTAL PER EJACULATION			
TOTAL SPERM NUMBER by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	4.65	Millions/ejc.	> = 39.0
TOTAL MOTILE SPERM	0.14	Millions/ejc.	> = 16.0



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by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
TOTAL PROGRESSIVE MOTILE SPERM	N.A	Millions/ejc.	> = 12.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
TOTAL FUNCTIONAL SPERM	N.A	Millions/ejc.	
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
TOTAL MORPHOLOGY NORMAL SPERM	N.A	Millions/ejc.	> = 2.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
<u>MANUAL MICROSCOPY AND MORPHOLOGY</u>			
VITALITY	52	%	
by MICROSCOPY			
RED BLOOD CELLS (RBCs)	NOT DETECTED	/HPF	NOT DETECTED
by MICROSCOPY			
PUS CELLS	4-6	/HPF	0 - 5
by MICROSCOPY			
EPITHELIAL CELLS	0-2	/HPF	ABSENT
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	39	%	
by MICROSCOPY			
PIN HEADS	9	%	
by MICROSCOPY			
NECK AND MID-PIECE DEFECTS	27	%	
by MICROSCOPY			
TAIL DEFECTS	20	%	
by MICROSCOPY			
CYTOPLASMIC DROPLETS	2	%	
by MICROSCOPY			
ACROSOME/NUCLEUS DEFECTS	3	%	
by MICROSCOPY			
<u>CHEMICAL EXAMINATION</u>			
SEMEN FRUCTOSE (QUALITATIVE)	POSITIVE (+ve)		POSITIVE (+ve)




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by QUALITATIVE METHOD USING RESORCINOL

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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