

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

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

NAME : Mr. VIKRAMJEET SINGH  
AGE/ GENDER : 34 YRS/MALE  
COLLECTED BY :  
REFERRED BY :  
BARCODE NO. : 01513507  
CLIENT CODE. : KOS DIAGNOSTIC LAB  
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1555254  
REG. NO./LAB NO. : 012407200055  
REGISTRATION DATE : 20/Jul/2024 01:45 PM  
COLLECTION DATE : 20/Jul/2024 01:46PM  
REPORTING DATE : 20/Jul/2024 05:14PM

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

PHYSICAL EXAMINATION

TIME OF SPECIMEN COLLECTION	20-07-2024	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	ML	
COLOUR	WHITISH OPAQUE		WHITISH OPAQUE
VISCOSITY	VISCOUS		VISCOUS

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

TOTAL SPERM CONCENTRATION	71.2	Millions/mL	12 - 16
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
TOTAL MOTILITY (GRADE A + GRADE B + GRADE C)	73	%	> = 42.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
RAPIDLY PROGRESSIVE MOTILITY (GRADE A)	56	%	> = 30.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
SLOWLY PROGRESSIVE MOTILITY (GRADE B)	10	%	>= 30
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
NON PROGRESSIVE MOTILITY (GRADE C)	7	%	<= 1
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
IMMOTILE	27	%	
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
MORPHOLOGY NORMAL	15	%	> = 4.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
MOTILE SPERM CONCENTRATION	52.2	Millions/mL	> = 6.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION	39.9	Millions/mL	> = 5.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION	7	Millions/mL	
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
FUNCTIONAL SPERM CONCENTRATION	14.8	Millions/mL	



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by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM VELOCITY (AVERAGE PATH VELOCITY)	56	Mic/sec	> = 5
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM SPERM MOTILE INDEX (SMI)	472		> = 80
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM <b>TOTAL PER EJACULATION</b>			
TOTAL SPERM NUMBER	71.2	Millions/ejc.	> = 39.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL MOTILE SPERM	52.2	Millions/ejc.	> = 16.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL PROGRESSIVE MOTILE SPERM	47	Millions/ejc.	> = 12.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL FUNCTIONAL SPERM	14.8	Millions/ejc.	
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL MORPHOLOGY NORMAL SPERM	10.7	Millions/ejc.	> = 2.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM <b>MANUAL MICROSCOPY AND MORPHOLOGY</b>			
VITALITY	69	%	
by MICROSCOPY RED BLOOD CELLS (RBCs)	NOT DETECTED	/HPF	NOT DETECTED
by MICROSCOPY PUS CELLS	4-6	/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	35	%	
by MICROSCOPY PIN HEADS	8	%	
by MICROSCOPY NECK AND MID-PIECE DEFECTS	25	%	
by MICROSCOPY TAIL DEFECTS	14	%	





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Test Name	Value	Unit	Biological Reference interval
by MICROSCOPY			
CYTOPLASMIC DROPLETS	2	%	
by MICROSCOPY			
ACROSOME/NUCLEUS DEFECTS	1	%	
by MICROSCOPY			
<b>CHEMICAL EXAMINATION</b>			
<b>SEMEN FRUCTOSE (QUALITATIVE)</b>	<b>POSITIVE (+ve)</b>		<b>POSITIVE (+ve)</b>
by QUALITATIVE METHOD USING RESORCINOL			
<b>INTERPRETATION:</b>			
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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