

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

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

NAME	: Mr. SUNDRAM	PATIENT ID	: 1713157
AGE/ GENDER	: 47 YRS/MALE	REG. NO./LAB NO.	: 012412310036
COLLECTED BY	:	REGISTRATION DATE	: 31/Dec/2024 05:32 PM
REFERRED BY	: LOOMBA HOSPITAL (AMBALA CANTT)	COLLECTION DATE	: 31/Dec/2024 05:32PM
BARCODE NO.	: 01523269	REPORTING DATE	: 01/Jan/2025 04:54PM
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	31-12-2024	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	ML	
COLOUR	WHITISH OPAQUE		WHITISH OPAQUE
VISCOSITY	VISCOUS		VISCOUS
pH	gH		5.0 - 7.5

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

TOTAL SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	132.1	Millions/mL	12 - 16
TOTAL MOTILITY (GRADE A + GRABE B + GRADE C) <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	22	%	> = 42.0
RAPIDLY PROGRESSIVE MOTILITY (GRADE A) <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	1	%	> = 30.0
SLOWLY PROGRESSIVE MOTILITY (GRADE B) <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	12	%	>= 30
NON PROGRESSIVE MOTILITY (GRADE C) <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	9	%	<= 1
IMMOTILE <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	78	%	
MORPHOLOGY NORMAL <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	2	%	> = 4.0
MOTILE SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	29.5	Millions/mL	> = 6.0
RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	1.2	Millions/mL	> = 5.0
SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	15.3	Millions/mL	
FUNCTIONAL SPERM CONCENTRATION	0.9	Millions/mL	



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<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> VELOCITY (AVERAGE PATH VELOCITY)	22	Mic/sec	> = 5
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> SPERM MOTILE INDEX (SMI)	40		> = 80
<u>TOTAL PER EJACULATION</u>			
TOTAL SPERM NUMBER <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	132.1	Millions/ejc.	> = 39.0
TOTAL MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	29.5	Millions/ejc.	> = 16.0
TOTAL PROGRESSIVE MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	16.6	Millions/ejc.	> = 12.0
TOTAL FUNCTIONAL SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	0.9	Millions/ejc.	
TOTAL MORPHOLOGY NORMAL SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	2.6	Millions/ejc.	> = 2.0
<u>MANUAL MICROSCOPY AND MORPHOLOGY</u>			
VITALITY <i>by MICROSCOPY</i>	68	%	
RED BLOOD CELLS (RBCs) <i>by MICROSCOPY</i>	NOT DETECTED	/HPF	NOT DETECTED
PUS CELLS <i>by MICROSCOPY</i>	3-5	/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>	37	%	
PIN HEADS <i>by MICROSCOPY</i>	9	%	
NECK AND MID-PIECE DEFECTS <i>by MICROSCOPY</i>	29	%	
TAIL DEFECTS <i>by MICROSCOPY</i>	20	%	



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CYTOPLASMIC DROPLETS <i>by MICROSCOPY</i>	2	%	
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ACROSOME/NUCLEUS DEFECTS <i>by MICROSCOPY</i>	1	%	
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CHEMICAL EXAMINATION

SEMEN FRUCTOSE (QUALITATIVE) <i>by QUALITATIVE METHOD USING RESORCINOL</i>	POSITIVE (+ve)	POSITIVE (+ve)
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INTERPRETATION:

- Fructose is the energy source for sperm motility. A positive fructose is considered normal.
- 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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