

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

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

NAME : Mr. PANKAJ
AGE/ GENDER : 35 YRS/MALE
COLLECTED BY :
REFERRED BY :
BARCODE NO. : 01519774
CLIENT CODE. : KOS DIAGNOSTIC LAB
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1656378
REG. NO./LAB NO. : 012410290047
REGISTRATION DATE : 29/Oct/2024 01:03 PM
COLLECTION DATE : 29/Oct/2024 01:05 PM
REPORTING DATE : 29/Oct/2024 05:32 PM

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

PHYSICAL EXAMINATION

TIME OF SPECIMEN COLLECTION	29-10-2024	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	2	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	NIL	Millions/mL	12 - 16
TOTAL MOTILITY (GRADE A + GRADE B + GRADE C) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	0	%	> = 42.0
VELOCITY (AVERAGE PATH VELOCITY) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	0	Mic/sec	> = 5
SPERM MOTILE INDEX (SMI) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	NIL		> = 80

TOTAL PER EJACULATION

TOTAL SPERM NUMBER by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	NIL	Millions/ejc.	> = 39.0
TOTAL MOTILE SPERM by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	N.A	Millions/ejc.	> = 16.0
TOTAL PROGRESSIVE MOTILE SPERM by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	N.A	Millions/ejc.	> = 12.0
TOTAL FUNCTIONAL SPERM by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	N.A	Millions/ejc.	
TOTAL MORPHOLOGY NORMAL SPERM by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	N.A	Millions/ejc.	> = 2.0

MANUAL MICROSCOPY AND MORPHOLOGY

RED BLOOD CELLS (RBCs)	NOT DETECTED	/HPF	NOT DETECTED
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Test Name	Value	Unit	Biological Reference interval
by MICROSCOPY			
PUS CELLS	5-8	/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			
CHEMICAL EXAMINATION			
SEMEN FRUCTOSE (QUALITATIVE)	POSITIVE (+ve)		POSITIVE (+ve)
by QUALITATIVE METHOD USING RESORCINOL			
IMPRESSION	AZOOSPERMIA.		


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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