

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

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

NAME : Mr. PANKAJ  
AGE/ GENDER : 29 YRS/MALE  
COLLECTED BY :  
REFERRED BY :  
BARCODE NO. : 01520405  
CLIENT CODE. : KOS DIAGNOSTIC LAB  
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1530125  
REG. NO./LAB NO. : 012411090016  
REGISTRATION DATE : 09/Nov/2024 09:22 AM  
COLLECTION DATE : 09/Nov/2024 09:27AM  
REPORTING DATE : 09/Nov/2024 04:07PM

Test Name	Value	Unit	Biological Reference interval
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## CLINICAL PATHOLOGY

### SEMEN ANALYSIS/SEMINOGRAM

#### PHYSICAL EXAMINATION

TIME OF SPECIMEN COLLECTION	09-11-2024	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	7.5		5.0 - 7.5

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

TOTAL SPERM CONCENTRATION by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	10.9	Millions/mL	12 - 16
TOTAL MOTILITY (GRADE A + GRABE B + GRADE C) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	61	%	> = 42.0
RAPIDLY PROGRESSIVE MOTILITY (GRADE A) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	9	%	> = 30.0
SLOWLY PROGRESSIVE MOTILITY (GRADE B) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	15	%	>= 30
NON PROGRESSIVE MOTILITY (GRADE C) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	37	%	<= 1
IMMOTILE by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	39	%	
MORPHOLOGY NORMAL by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	4	%	> = 4.0
MOTILE SPERM CONCENTRATION by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	6.6	Millions/mL	> = 6.0
RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	1	Millions/mL	> = 5.0
SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	1.6	Millions/mL	
FUNCTIONAL SPERM CONCENTRATION by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM	0.3	Millions/mL	



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VELOCITY (AVERAGE PATH VELOCITY) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	14	Mic/sec	> = 5
SPERM MOTILE INDEX (SMI) <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	23		> = 80
<b>TOTAL PER EJACULATION</b>			
TOTAL SPERM NUMBER <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	16.4	Millions/ejc.	> = 39.0
TOTAL MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	9.9	Millions/ejc.	> = 16.0
TOTAL PROGRESSIVE MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	4.1	Millions/ejc.	> = 12.0
TOTAL FUNCTIONAL SPERM <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	0.5	Millions/ejc.	
TOTAL MORPHOLOGY NORMAL SPERM <i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>	0.7	Millions/ejc.	> = 2.0
<b>MANUAL MICROSCOPY AND MORPHOLOGY</b>			
VITALITY <i>by MICROSCOPY</i>	62	%	
RED BLOOD CELLS (RBCs) <i>by MICROSCOPY</i>	NOT DETECTED	/HPF	NOT DETECTED
PUS CELLS <i>by MICROSCOPY</i>	3-6	/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>	36	%	
PIN HEADS <i>by MICROSCOPY</i>	9	%	
NECK AND MID-PIECE DEFECTS <i>by MICROSCOPY</i>	27	%	
TAIL DEFECTS <i>by MICROSCOPY</i>	21	%	
CYTOPLASMIC DROPLETS	2	%	



  
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by MICROSCOPY  
 ACROSOME/NUCLEUS DEFECTS

1 %

**CHEMICAL EXAMINATION**

**SEMEN FRUCTOSE (QUALITATIVE)**

**POSITIVE (+ve)**

**POSITIVE (+ve)**

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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