

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

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

<b>NAME</b>	: Mr. NAVNEET KUMAR	<b>PATIENT ID</b>	: 1670590
<b>AGE/ GENDER</b>	: 39 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 012411130029
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 13/Nov/2024 10:20 AM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 13/Nov/2024 10:22AM
<b>BARCODE NO.</b>	: 01520721	<b>REPORTING DATE</b>	: 13/Nov/2024 01:52PM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
<b>CLIENT ADDRESS</b>	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
-----------	-------	------	-------------------------------

## CLINICAL PATHOLOGY

### SEMEN ANALYSIS/SEMINOGRAM


#### PHYSICAL EXAMINATION


TIME OF SPECIMEN COLLECTION	13-11-2024	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	1.2	ML	
COLOUR	WHITISH OPAQUE		WHITISH OPAQUE
VISCOSITY	VISCOUS		VISCOUS
pH	8 <sup>H</sup>		5.0 - 7.5

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

TOTAL SPERM CONCENTRATION	185.5	Millions/mL	12 - 16
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
TOTAL MOTILITY (GRADE A + GRADE B + GRADE C)	48	%	> = 42.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
RAPIDLY PROGRESSIVE MOTILITY (GRADE A)	27	%	> = 30.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
SLOWLY PROGRESSIVE MOTILITY (GRADE B)	17	%	>= 30
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
NON PROGRESSIVE MOTILITY (GRADE C)	4	%	<= 1
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
IMMOTILE	52	%	
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
MORPHOLOGY NORMAL	9	%	> = 4.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
MOTILE SPERM CONCENTRATION	89.4	Millions/mL	> = 6.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION	50.1	Millions/mL	> = 5.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION	30.8	Millions/mL	
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
FUNCTIONAL SPERM CONCENTRATION	16.9	Millions/mL	



  
 DR. VINAY CHOPRA  
 CONSULTANT PATHOLOGIST  
 MBBS, MD (PATHOLOGY & MICROBIOLOGY)

  
 DR. YUGAM CHOPRA  
 CONSULTANT PATHOLOGIST  
 MBBS, MD (PATHOLOGY)



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

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

<b>NAME</b>	: Mr. NAVNEET KUMAR	<b>PATIENT ID</b>	: 1670590
<b>AGE/ GENDER</b>	: 39 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 012411130029
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 13/Nov/2024 10:20 AM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 13/Nov/2024 10:22AM
<b>BARCODE NO.</b>	: 01520721	<b>REPORTING DATE</b>	: 13/Nov/2024 01:52PM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
<b>CLIENT ADDRESS</b>	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM VELOCITY (AVERAGE PATH VELOCITY)	58	Mic/sec	> = 5
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM SPERM MOTILE INDEX (SMI)	549		> = 80
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM <b>TOTAL PER EJACULATION</b>			
TOTAL SPERM NUMBER	222.6	Millions/ejc.	> = 39.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL MOTILE SPERM	107.2	Millions/ejc.	> = 16.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL PROGRESSIVE MOTILE SPERM	97.1	Millions/ejc.	> = 12.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL FUNCTIONAL SPERM	20.3	Millions/ejc.	
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL MORPHOLOGY NORMAL SPERM	20	Millions/ejc.	> = 2.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM <b>MANUAL MICROSCOPY AND MORPHOLOGY</b>			
VITALITY	71	%	
by MICROSCOPY RED BLOOD CELLS (RBCs)	NOT DETECTED	/HPF	NOT DETECTED
by MICROSCOPY PUS CELLS	1-3	/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	38	%	
by MICROSCOPY PIN HEADS	9	%	
by MICROSCOPY NECK AND MID-PIECE DEFECTS	25	%	
by MICROSCOPY TAIL DEFECTS	16	%	



  
 DR.VINAY CHOPRA  
 CONSULTANT PATHOLOGIST  
 MBBS, MD (PATHOLOGY & MICROBIOLOGY)

  
 DR.YUGAM CHOPRA  
 CONSULTANT PATHOLOGIST  
 MBBS, MD (PATHOLOGY)



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

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

<b>NAME</b>	: Mr. NAVNEET KUMAR	<b>PATIENT ID</b>	: 1670590
<b>AGE/ GENDER</b>	: 39 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 012411130029
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 13/Nov/2024 10:20 AM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 13/Nov/2024 10:22AM
<b>BARCODE NO.</b>	: 01520721	<b>REPORTING DATE</b>	: 13/Nov/2024 01:52PM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
<b>CLIENT ADDRESS</b>	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
-----------	-------	------	-------------------------------

CYTOPLASMIC DROPLETS by MICROSCOPY	2	%	
---------------------------------------	---	---	--

ACROSOME/NUCLEUS DEFECTS by MICROSCOPY	1	%	
---	---	---	--

**CHEMICAL EXAMINATION**

**SEMEN FRUCTOSE (QUALITATIVE)**  
 by QUALITATIVE METHOD USING RESORCINOL

**POSITIVE (+ve)**


**POSITIVE (+ve)**


**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 \*\*\*



  
**DR. VINAY CHOPRA**  
 CONSULTANT PATHOLOGIST  
 MBBS, MD (PATHOLOGY & MICROBIOLOGY)

  
**DR. YUGAM CHOPRA**  
 CONSULTANT PATHOLOGIST  
 MBBS, MD (PATHOLOGY)

