

Sagepath Labs Pvt. Ltd.

Registered Office:- # Plot No. 564 , 1st floor , Buddhanagar , Near Sai Baba Temple Peerzadiguda Boduppal Hyderabad, Telangana.

: 24854820

ICMR Reg .No. SAPALAPVLHT (Covid -19)

Ph:- 040-40125441, Email:- info@sagepathlabs.com

PORT Website:- www.sagepathlabs.com

Name : Mr. G.SHIVA Sample ID

Age/Gender : 29 Years/Male Reg. No : 0312310280027

Referred by : Dr. M LAKSHMI SPP Code : SPL-CV-172

Referring Customer : V CARE MEDICAL DIAGNOSTICS Collected On : 28-Oct-2023 11:19 AM
Primary Sample : Semen Received On : 28-Oct-2023 12:20 PM

Sample Tested In : Semen Reported On : 30-Oct-2023 04:20 PM

Client Address : Kimtee colony , Gokul Nagar, Tarnaka Report Status : Final Report

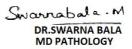
CLINICAL PATHOLOGY				
Test Name	Results	Units	Ref. Range	Method
SEMEN ANALYSIS				
Time of Collection	12:30 PM	AM/PM		
Period of Abstinence (In Days)	3	Days		
Physical Examination				
Volume	1.00	mL	>1.5	
Colour	Pearly white		Pearly White	
Viscosity	Viscous		Viscous	
Liquifaction Time	35 mins	Mins	15 - 60	
Chemical Examination				
Semen Fructose	Present			Chemical
PH	Alkaline			Chemical
Microscopic Examination				
Total Sperm Concentration	22	million/ml	over 15 million	Neubauer chamber
Total Sperm count	45.00	Millions/ejac	ulate over 40 million	
Pus Cells	02-03	/HPF		
Epithelial Cells	Nil	/HPF		
Rbc	01-02			
Sperm vitality	Live-75% dead-25%	%	>58	Dye exclusion
<u>Morphology</u>				
Normal morphology	20.00	%	>4.0%	Microscopy
Abnormal Morphology	80	%		Microscopy
head defects	40.00	%		Microscopy
Neck & mid piece	20.00	%		Microscopy
Tail defects	20.00	%		Microscopy
<u>Motility</u>				
Progressive (P)	45.00	%	>32	Microscopy of Wet mount
Non Progressive (NP)	20.00	%		Microscopy of Wet mount
Total Motility(P+NP)	65	%	>40	Microscopy of Wet mount
Non Motile	35.00	%		Microscopy of Wet mount
Others	-			
Impression	-			

Comments: This assay helps in determining male fertility status. Male infertility can be due to decrease in the number of viable sperms, abnormal sperm morphology and abnormalities of the seminal fluid.











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CLINICAL PATHOLOGY

Test Name Results Units Ref. Range Method

Sperm count

. Sperm count measures the concentration of sperm in a man's ejaculate, distinguished from total sperm count, which is the sperm count multiplied with volume.

Motility:

- . Grade a: Sperm with progressive motility. These are the strongest and swim fast in a straight line. Sometimes it is also denoted motility IV.
- Grade b: (non-linear motility): These also move forward but tend to travel in a curved or crooked motion. Sometimes also denoted motility III.
- Grade c: These have non-progressive motility because they do not move forward despite the fact that they move their tails. Sometimes also denoted motility II.
- Grade d: These are immotile and fail to move at all. Sometimes also denoted motility

Morphology:

• The WHO criteria as described in 2010 state that a sample is normal (samples from men whose partners had a pregnancy in the last 12 months) if 4% (or 5th centile) or more of the observed sperm have normal morphology.

Liquifaction:

• The liquefaction is the process when the gel formed by proteins from the seminal vesicles is broken up and the semen becomes more liquid. It normally takes less than 20 minutes for the sample to change from a thick gel into a liquid

Abnormalities:

- Aspermia: absence of semen.
- Azoospermia: absence of sperm
- Oligozoospermia: Very low sperm count.

Correlate Clinically.

Laboratory is NABL Accredited

*** End Of Report ***







Swarnabala-M DR.SWARNA BALA MD PATHOLOGY