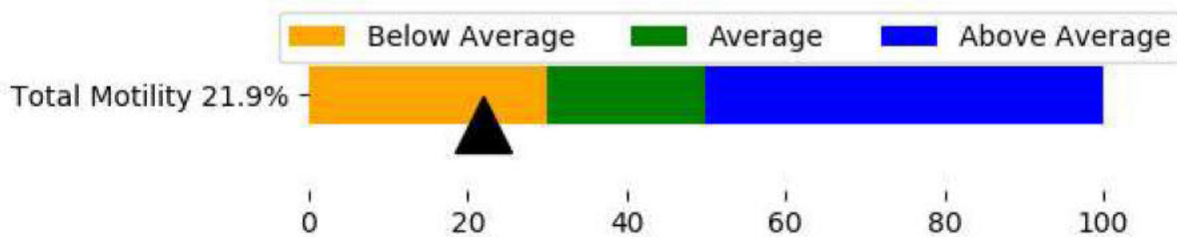


# Individual Sample Report

██████████  
*Frozen Sample -- Buck*  
██████████  
██████████

## Summary

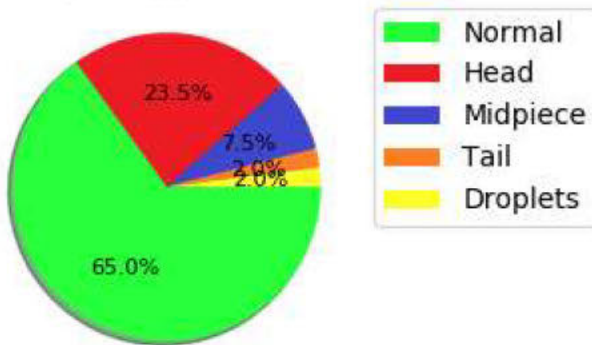
### Motility



Motility refers to the movement of the sperm through the female reproductive tract. In general, high motility is seen in more fertile sperm.

### Sperm Morphology

#### Morphology Defects



Morphology refers to the size and shape of individual sperm cells observed under a microscope. Sperm populations should be 70% normal or better to be considered normal fertility.

### Sperm Concentration

#### Sperm Available to Fertilize



The number of sperm in the straw that are physically able to fertilize an egg.

## Detailed Summary

Collection Site [REDACTED]  
Collection Date April 23, 2021  
Buck Name [REDACTED]  
Breed [REDACTED]  
Straw ID [REDACTED]  
Straw Volume 0.5 ml  
Total Concentration 190.5 million/ml  
Available to Fertilize 20.9 million/straw

### Alerts

Percent Motile 0H value of 21.9 less than expected value of 30

## Sperm Details

### Sperm Quality

	0 Hour	3 Hour
Intact Acrosomes	85.9%	%
Live	15.5%	%
Live/Intact	18.8%	%
Live/Reacted	0.3%	%
Active	40.1%	%
Mitochondria		
Intact DNA	97.2%	

### Pre-Freeze Motility

	86.15%	
	Motility	
	0 Hour	3 Hour
Motile Cells	21.9%	%
Progressive Cells	13.8%	%

## Morphology -- Normal Cells: 65.0% (out of 200 cells)

### Primary Abnormalities: 33.0%

Abnormal Heads	22.0%
Detached Heads	1.5%
DMR	1.5%
Midpiece Defects	6.0%
Coiled Tail Defects	2.0%

### Secondary Abnormalities: 2.0%

Proximal Droplets	1.0%
Distal Droplets	1.0%
Tail Defect	0.0%
Bent / Coiled Tail	0.0%

## Additional Information

### Analysis Information

Analysis Type CSA  
Analysis Date April 29, 2021  
Lab Tech C.Porflidt. DVM



### Contact Us

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