

# Semen collection

5<sup>th</sup> Stage

2022-2023

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# I-VAGINAL METHOD

Semen collection from vagina after natural ejaculation.

**-Advantage:-**semen satisfactory for evaluation.

**-Disadvantage:-**semen contaminated with fluids from female tract.

## I-A-Siphoning M.

Follows normal copulation, pipette inserted into the vagina after ejaculation to siphon out semen

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## I-B-Spooning M.

Follows normal copulation, long-handled sterile spoon used to dip semen from floor of anterior vagina

## I-C-Sponge M.

Sponge placed in vagina before copulation



## 2-MASSAGE M.

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(In large animals),by transrectal massage of the ampulla ,vesicular g. and prostate g.

Advantage:-bull easy to handle, not excited

Disadvantage :-poor quality semen,higher incidence of bacteria.

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## 3-URETHRAL FISTULA M.

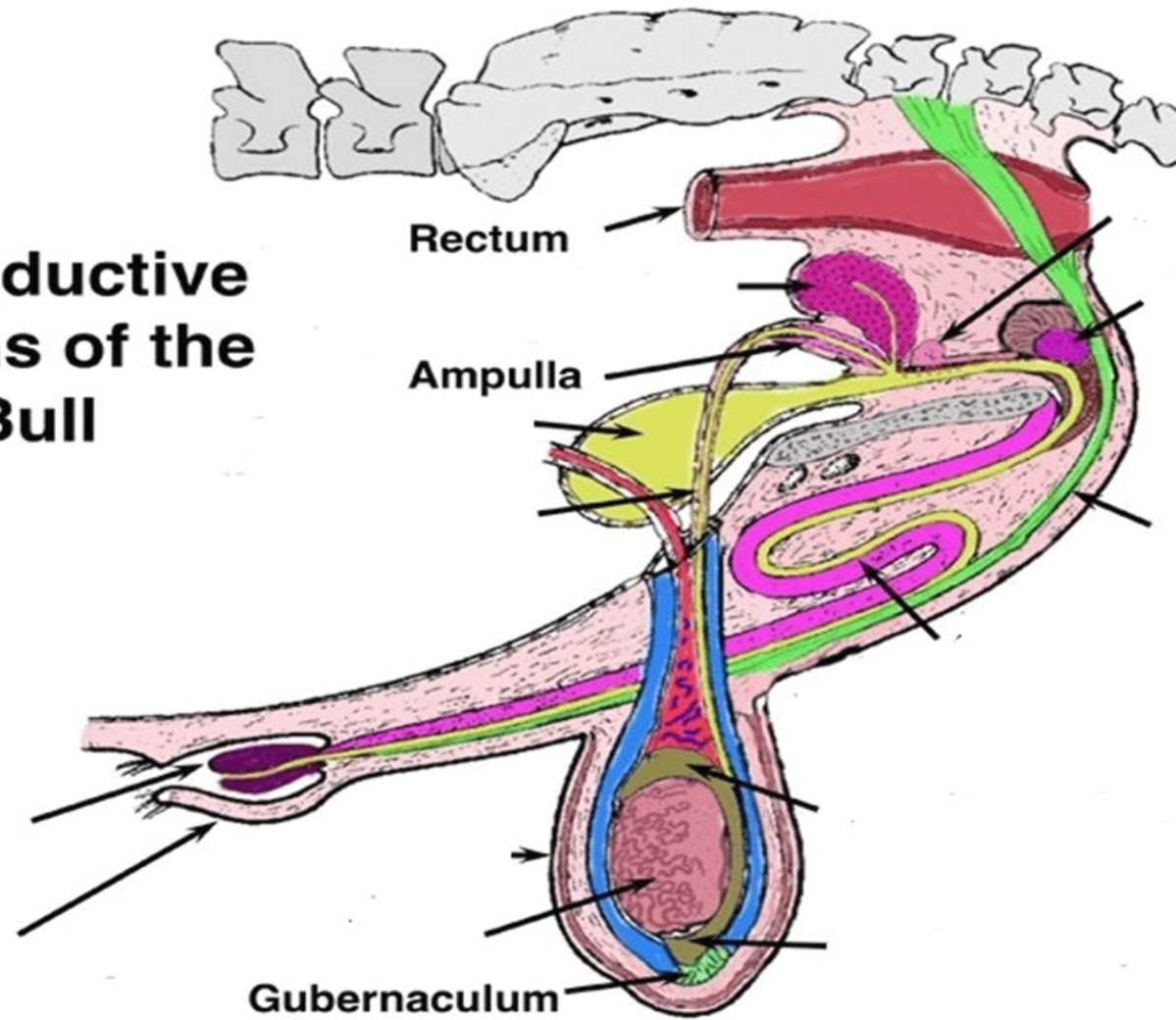
Tube placed under the anus connected to urethra ,semen collection at a time of copulation.

Advantage:-experimentation ,pure sample.

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Disadvantage:-requires exacting surgery.

# Reproductive Organs of the Bull



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## 4-ARTIFICIAL VAGINA(AV).

### Advantages:--

- uncontaminated and natural stage.
  - it is free from the extraneous secretion.
  - the viability of the sperm is better.
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- no female is needed if dummy is a success.

### Disadvantages:-

- must simulate normal or best temperature ,pressure , lubrication and position for optimum male response.
- Animal must be treated as individuals since they differ.



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**1-Collection tube**

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**2-Cone**

**3-Inner sleeve**

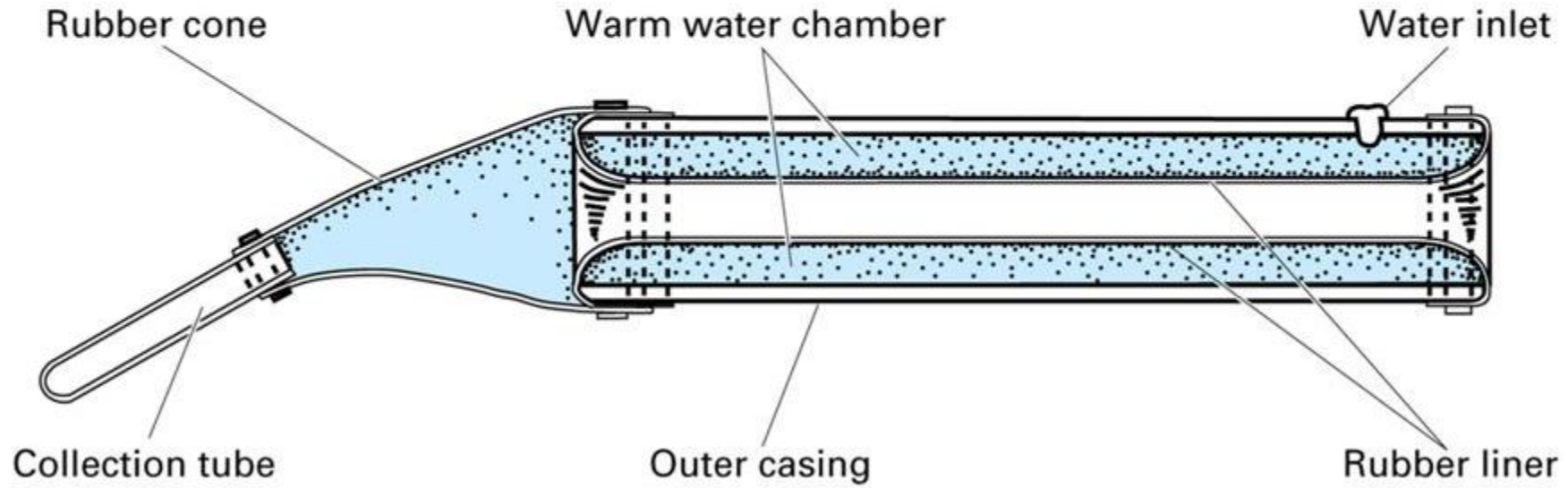
**4-Cylinder**

**5-Insulating protector**



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**Longitudinal section of an Artificial Vagina(AV)**





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## 5-Electro ejaculation :-

**Electrode inserted into the rectum to stimulate ejaculation , not widely used with stallion .**

**\*Advantages:**

- 1-collect semen without sexual response from the male.**
- 2-collect from males unable to copulate**
- 3-female in estrus not need**

**\*Disadvantages:**

- 1-Equipment cost**
- 2-contaminated with urine**
- 3-danger for collector and male**

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