

Semen Collection

OBJECTIVE: Make maximum use of superior Sire, by obtaining the maximum number of sperm of highest possible quality in each ejaculate' Methods.

Taking of the semen from vagina.

Rubber breeding bag, placed in the vagina of the cow or mare

The massage to the vesicular and ampullae through the rectum

Electro-ejaculator.

A. Vagina.

Important of Sexual Stimulation Prior to Semen Collection with A.V.

To ensure that the male will mount and ejaculate in a reasonable period of time .

To ensure the collection of the maximum number of sperm with the highest possible quality per ejaculate.

Ejaculate with a-Larger volume

b-higher concentration

c- higher motility will have higher fertility

Sexual stimulating is by exposing the male to the teaser animal for several minutes (false mounts) 2-3 false mount before collection 10-15 minut of teasing .

A.V. provides a good imitation of natural vagina.

Temp. approx. 45 C at time of collection (38-56 C).

Several precautions must be taken at the time of collection to ensure semen high -quality.

1-Cold shock is prevent by provide adequate protection for the funnel and tube.

2-The collection tube must be protected from sunlight.

3-Contamination of semen by urine, water, or lubricant jelly must be avoided.

4-Microbial contamination is minimized by using different

A.V for each ejaculation.

SPERM TRANSPORT THROUGH FEMALE GENITAL TRACT.

Almost the ova and sperm survival for 24hrs in side female genital tract.(G.T)for this rezones the fertile gamete need produce of ova and sperm ejaculate at the same time

Female G.T. movement which depend on