



GENSTOCK PTY LTD **ANIMAL BREEDING SERVICES**

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PROCEDURE FOR LAPAROSCOPIC INSEMINATION

Artificial Insemination is a precise procedure, and to achieve satisfactory results, great care has to be taken with each aspect of the program.

It has become increasingly apparent that the **BEST RESULTS** are achieved by:-

1. **SUPPLEMENTARY FEEDING** the ewes 3-4 weeks prior to Insemination - Lupins are preferential i.e. 150 - 200 gm / head / day.
2. It is **ESSENTIAL** to keep the **ewes ISOLATED from the smell and sight of rams** until the sponges are removed and the teasers are released with the ewes.
3. Quiet, **GENTLE HANDLING** of the ewes at all times. Dogs **MUST** be kept to an absolute minimum.

We will supply the necessary drugs for synchronisation of the ewes. You will be required to insert and remove the CIDRs and inject the P.M.S. You will also be required to prepare the teaser wethers (Number required is 10% of ewes to be inseminated).

The teasers will either need harnesses ("cold" or "soft" crayons) or branding fluid liberally painted onto their briskets. The branding fluid will need to be reapplied each time the ewes are drafted.

We will inseminate the ewes on the date allocated. It is essential to keep the EWES OFF FEED & WATER for a MINIMUM of 12 hours prior to insemination.

THREE people will be required in the shed at the time of insemination to load and unload the ewes into the cradles. SEC power and water (preferably rain water) must be available.

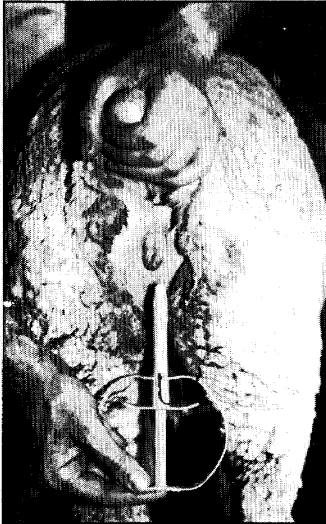
THE P.M.S.G. (PREGNECOL) MUST BE KEPT REFRIGERATED.

If you have any queries or run into any problems please contact a member of our staff on the above numbers.

CIDR INSERTION:-

- Wash hands prior to insertion
- Follow the procedure below using the approved applicator
- Place one device into the applicator so that the short legs are folded together with only the tips protruding from the applicator.
- Insert the loaded applicator, sloping slightly UPWARDS, through the vulva and then forwards, without forcing, into the forward portion of the vagina
- Release the device by depressing the applicator plunger leaving the cord protruding from the vulva. It is not uncommon for the CIDR to be partially removed from the vagina when removing the applicator. To avoid this, place a finger against the cord so the CIDR stays in place during withdrawal of the applicator. No part of the thickened white core should be visible post applicator removal. If inserted incorrectly, remove the CIDR and reinsert.
- After each insertion, the applicator should be wiped clean
- Wash hands immediately after insertion and removal

Insertion procedures



1. Insert applicator.



2. Depress plunger



3. Inserted EAZI-breed CIDR G



4. Pull to remove.

CIDR REMOVAL:

- CIDRS must be removed and P.M.S. injected into the muscle of the hind leg
- **PRIOR TO 7AM OR TIME SPECIFIED** on the date allocated.
- To remove CIDRS pull the cord backward and downward.
- If the drawstring is not visible carefully insert a clean finger into the vagina and locate it.
- If the CIDR cannot be located or removed, do not inject P.M.S. Identify the ewe and we will remedy the problem on the day of insemination.

MIXING THE P.M.S.G: PLEASE NOTE HIGHER DOSE WITH CIDRS THAN SPONGES

- It is convenient to mix the P.M.S. the evening prior to injection, and **REPLACE IN THE FRIDGE OVERNIGHT**. Please calculate how many packets you will need to mix to **avoid** wastage, (dose rate x number of ewes divide by 100mls).The PMSG can be mixed and refrigerated for use for the following day if doing more than one day of AI.
- Using the syringe and needles provided withdraw 2 - 3 ml of water from the large bottle.
- Inject into the small vial of freeze dried Pregnenol and mix thoroughly to ensure the entire hormone is dissolved. Be careful not to waste any.
- Return solution from the vial back to the large bottle.
- Attach the bottle to your auto-vaccinator and set required dose (the required dose will be determined following consultation with Genstock staff).
- **UNUSED** packets of PMSG can be kept refrigerated & returned to Genstock on day of AI.

POST INSEMINATION:

- Ewes should be handled gently at the time of insemination and allowed to walk quietly back to their paddocks. **DO NOT CHANGE PADDOCKS**.
- The ewes should not be disturbed for 6 weeks.
- Back up rams should be released 14 days after LAI.

LAMBING MANAGEMENT:

- 10 days prior to the due lambing date, the ewes should be split into as many small mobs as possible and placed in small paddocks.
- A self-feeder, placed close to the water supply will ensure minimal mis-mothering due to ewes leaving lambs behind.
- The mobs should be observed to detect difficult births, but keep disturbance to a minimum.