

# CLIENT INFORMATION:



## FROZEN SEMEN INSEMINATION PROTOCOL

Per rectum ultrasonography until identification of a dominant follicle (with a diameter of 30-35 mm) with maximal uterine oedema and a relaxed cervix on vaginal examination (either via speculum or manual palpation)

- DAY 1 Implant mare subcutaneously with Deslorelin acetate 1 at 08.00 hours
- DAY 2 Repeat ultrasonographic examination at 08.00 hours to confirm presence of dominant follicle
- DAY 2 Inseminate mare pre-ovulation at 20.00 hours \*
- DAY 3 Ultrasonographic examination at 08.00 hours. If ovulation (fresh corpus luteum) confirmed, perform post-ovulation insemination \*. If dominant follicle still present, monitor every 6 hours until ovulation detected at which time perform post-ovulation insemination \*
- Ultrasonographic examination of uterus 24 hours after post-ovulatory insemination to detect and treat any post insemination fluid

\* If there are 2 full doses available per cycle, use 1 dose per insemination.  
If only 1 dose available per cycle, use half the dose per insemination.

### Insemination technique

Insemination is performed after evacuation of the rectum, applying a tail bandage and following thorough cleaning of the perineum.

An insemination catheter<sup>2</sup> is passed through the cervix, into the body of the uterus before being advanced into the horn adjacent to the ovulatory follicle under the guidance of a hand introduced into the rectum.

While the catheter is held in place the frozen semen is thawed in a water bath at 37°C for 30 seconds (or as recommended<sup>3</sup>) and inseminated via the catheter which is then withdrawn.

<sup>1</sup> Ovuplant

<sup>2</sup> Catheter supplied by EV Veterinary UK, Brockhurst, Shropshire, UK

<sup>3</sup> Please always thaw frozen semen according to individual instructions