**INRA 96**

Information & Application Use Sheet

The following information is based on in vivo and in vitro results obtained by INRA’s equine reproduction team (INRA-PRC, 37380 France) as well as in the experimental breeding stations of the French National Stables.

**Semen Dose Preparation:**

Determine the number of insemination doses that will be prepared. Warm the necessary volume of INRA 96 in a water bath or incubator to +37°C. This volume is calculated as follows: Required volume of INRA 96 = Number of doses to prepare X 10 ml of INRA 96. (10 ml of extender/dose)

**Note:** Left over extender may be frozen and stored in sterile containers. However, only one (1) freeze-thaw cycle is highly recommended. The thawing process should begin at +37°C.

- Collect, filter, evaluate and calculate sperm concentration in the ejaculate.
- Dilute the ejaculate to a final concentration of 20 million sperm per milliliter.
- Package the diluted ejaculate in doses of 10 ml for immediate insemination or conservation.

**Exodus recommends 750 million progressively motile sperm per insemination dose**

**Exodus recommends 25million progressively motile sperm/ml of extended semen.**

**Note:** Doses prepared with INRA 96 may be stored for 24 hours at +4 ºC and +15 ºC. Results obtained after 24 hours of preservation (from 1994 to 1996) show that fertility of certain stallions, was improved if stored at +15 ºC. This proves to be an alternative for those stallions of which semen is affected by “cold shock” when lowering the temperature to +4 ºC. These results also allow, according to needs and quality of the stallion semen, to use the INRA 96 at either +15 ºC or +4 ºC. Also results obtained after 72 hours of preservation allow us to think we can preserve semen in INRA 96 extender longer than 24 hours before insemination.

BATELLIER et al., 2001 - INRA 96 an extender for the preservation of semen at +4 ºC and at +15 ºC.

**The Protocols for use of the INRA 96 Fresh/Cooled Equine Semen Extender**

1. **For Cooled Semen Transport Preservation at +4 ºC = 39.2 ºF**
   a. Diluted semen should be preserved under anaerobic (no air) conditions
   b. Package 10 ml of the diluted ejaculate into a 20 ml syringe.
   c. Eliminate all excess air from the syringe.

2. **For Semen Preservation at +15 ºC = 59 ºF**
   a. Diluted semen should be preserved under aerobic conditions when preserving at 15 ºC
   b. Package 10 ml of the diluted ejaculate in a 20 ml syringe.
   c. Fill the rest of the syringe with 10 ml of air.
   d. Store the syringe horizontally.
   e. No independent or autonomous shipping containers exist to maintain a +15 ºC temperature (+/- 1 ºC maximum). Constant monitoring of sample is required.

3. The INRA 96 DOES NOT Require Any Special Packaging When Being shipped
   a. When you receive the product, please store at +2 ºC - +8 ºC.

4. **PARTICLE and/or SEDIMENTS OCCASIONALLY CAN BE SEEN IN THE INRA 96**
   a. This is a normal reaction of the Beta Casein, when present, shake well prior to use.
   b. The above is information as provided by IMV for proper handling of INRA 96

For Technical Support Questions Please Call: Exodus Breeders Corporation – 877-396-3874