

**\*\*\*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 °C and +15 °C. Results obtained after 24 hours of preservation (from 1994 to 1996) show that fertility of certain stallions, was improved if stored at +15 °C. This proves to be an alternative for those stallions of which semen is affected by "cold shock" when lowering the temperature to +4 °C. These results also allow, according to needs and quality of the stallion semen, to use the INRA 96 at either +15 °C or +4 °C. 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 °C and at +15 °C.

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

- 1. For Cooled Semen Transport Preservation at +4 °C = 39.2 °F**
  - 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 °C = 59 °F**
  - a. Diluted semen should be preserved under aerobic conditions when preserving at 15 °C
  - 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 °C temperature (+/- 1 °C 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 °C - +8 °C.
- 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**