

# **Kenney Canine Semen Extender Kit Without Antibiotic**

***MAI***

## **PRODUCT INFORMATION SHEET**

### **Kenney Skim Milk Canine Semen Extender with Gentamicin Sulfate or without Antibiotics**

#### **Storage:**

Immediately upon receipt, store product at room/ambient temperature.

Do not expose to elevated temperatures, high humidity or sunlight.

Do not hold components from one breeding season to the next.

#### **Mixing Instructions:**

1. Add the processed powder to the sterile water. To facilitate dissolution of the powder, warm the sterile water to 98°F in an incubator or warm water bath prior to adding the powder.
2. The reconstituted semen extender should be refrigerated or frozen if not used within one hour. For best practice, use freshly reconstituted semen extender each day. Reconstituted semen extender may be frozen in sterile, non-spermicidal containers for up to 6 months at temperatures of -5°F or lower. The extender should be frozen with minimal air in the container. Thaw frozen extender at 98°F in an incubator or warm water bath. Higher thawing temperatures may cause ingredient damage.
3. The extender should be warmed to 98°F before adding freshly collected semen. When extending semen, always have the semen extender the same temperature as the semen to avoid thermal shock.
4. Decide on a desired ratio of semen to extender.
  - a. A ration of 1 part semen to 4 parts extender is generally recommended but rations between 1:1 and 1:4 are acceptable.
  - b. Another approach is to dilute the semen so that each insemination dose contains 200 million motile spermatozoa.
5. Add Kenney Skim Milk Canine Semen Extender (at 98°F) to the semen and maintain at a temperature of 98°F for no more than two hours before use.

**Note:** When an antibiotic has been added to the extender, the semen extender mixture should not be used for at least 20 minutes to allow sufficient time for the antibiotic(s) to control the penile pathogens which may be sensitive to the antibiotic(s).

The semen extender with antibiotic contains buffers to yield a pH of approximately 7.0 when put into solution. The semen extender without antibiotics also contains buffers to yield a pH of approximately 7.0 when used with a user supplied antibiotic.

**Antibiotics:**

Kenney Skim Milk Canine Semen Extender is offered with Gentamicin Sulfate or without antibiotics, for use when other antibiotics of choice are desired.

The amounts for Pen-Strep per 50 ml are:

Penicillin, Crystalline: 75,000 units

Dihydrostreptomycin, Crystalline: 75 mg

Injectable grades of Gentamicin Sulfate should not be used, as their formulation may be spermicidal. The Kenney Skim Milk Canine Semen Extenders offered by Veterinary Concepts® uses reagent grade Gentamicin Sulfate to avoid this problem.

Made in USA