

## **Kenney Skim Milk Canine Semen Extender Kit With Gentamicin MAI**

### **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.

**Note:** For best results, the temperature of the sterile water should be raised to 100°F by placing the bottle in an incubator or a water bath prior to adding the powder.

For use within 8 hours after mixing, the mixed extender may be stored in an incubator or water bath at 100°F. The mixed extender may also be frozen (in smaller portions, if desired) in a sterile container(s) at a temperature of -5°F or lower for up to 6 months. Thaw frozen extender by placing in a water bath or an incubator at 100°F. Higher thawing temperatures may cause ingredient damage!

2. Before mixing semen with extender, the extender must be at 100°F to avoid cold shock to the spermatozoa!
3. 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.
4. Add Kenney Skim Milk Canine Semen Extender (at 100°F) to the semen and maintain at a temperature of 100°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.