



E-Z FREEZIN™ - "MFR5" USER GUIDE

Equine Semen Extender



E-Z FREEZIN™ Semen Extender is inexpensive, easy to prepare, and can be utilized for storing and shipping frozen semen. Each lot is subjected to rigorous quality control to ensure a superior product.

E-Z FREEZIN™ Semen Extender is sold in packets. Each packet is a hermetically-sealed, foil-lined packet containing 15 ml of the liquid formula.

Formula:

E-Z Freezin™ - "MFR5" is a Modified French formula that contains the antibiotic Ticarcillin Disodium and is recommended for frozen semen programs where semen is stored and/or transported frozen in liquid nitrogen. The Modified French formula is one of several formulas available for freezing equine semen. The semen from individual stallions should be tested in several formulas to determine which one yields the best results.

Storage Instructions:

1. Immediately upon receipt, it is required that the E-Z Freezin™ - "MFR5" packet be stored in a freezer at -20°C (-4°F). Keep out of reach of children and animals.
2. Do not thaw packet until immediately before use.
3. Do not expose the product to elevated temperatures or sunlight.
4. Thawed extender may be held at 5°C (41°F) for same day use. Thawed extender not used on the same day should be discarded.

Preparation for Use:

Immediately before use, thaw the E-Z Freezin™ - "MFR5" packet to room temperature 22°C (72°F). This can be accomplished by placing the packet in a room temperature water bath for 15 minutes.

CAUTION: Warming or heating the extender above 22°C (72°F) can result in an inferior product that should be discarded. Never use a microwave to thaw the packet.

WARNING: E-Z Freezin™ - "MFR5" semen extender contains Ticarcillin Disodium. Please refer to the Material Safety Data Sheet for handling information.



ANIMAL REPRODUCTION SYSTEMS

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Instructions For Use:

1. Hold the thawed E-Z Freezin™ - “MFR5” packet upright and push the liquid to bottom of packet. Cut the packet open along the dashed line. To decrease the likelihood of spilling the liquid, fold a crease vertically near the center of the foil bag. Pour the liquid slowly from this crease into a clean, dry, room temperature 22°C (72°F) graduated cylinder. The extender is now ready for use.
 2. Add the desired volume of extender to the processed semen pellets and gently mix to resuspend.
- Note:** For complete information on how to process and package frozen equine semen please refer to one of the following texts: *Techniques for Collection, Evaluation and Insemination of Stallion Semen 3rd Edition*, published by Animal Reproduction Systems or *Cooled And Frozen Stallion Semen Bulletin No. 9*, published by Colorado State University.
3. Place the extended semen into glass test tubes and cover with parafilm.
 4. Place the test tubes in a room temperature 22°C (72°F) water bath. The water level of the bath must be equal to or higher than the level of the extended

semen in the test tubes. Do not allow water to flow into the test tubes.

5. Cool the water bath containing the test tubes of extended semen and all packaging and handling materials in the refrigerator at 5°C (41°F) for two hours.
6. Package and freeze.

Additional Suggestions and Comments For Best Results:

The E-Z Freezin™ - “MFR5” packet should be examined upon receipt to insure that it has not thawed in shipping. If the packet arrives thawed it should be discarded.

Semen extended in E-Z Freezin™ - “MFR5” should be cooled for two hours prior to packaging. Package and freeze immediately following the two hour cooling period.

E-Z FREEZIN™ Semen Extender is sold by the Animal Reproduction Systems division of Dupree, Inc. under exclusive agreement with the Colorado State University Animal Reproduction and Biotechnology Laboratory. The **E-Z FREEZIN™ Semen Extender** formula has been evaluated by the Colorado State University Animal Reproduction and Biotechnology Laboratory.

LIMITED LIABILITY STATEMENT

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