



E-Z MIXIN[®] USER GUIDE

Equine Semen Extender



E-Z MIXIN[®] Semen Extenders are inexpensive, easy to prepare, and can be utilized under a variety of conditions. When used appropriately, they will enhance the fertility of most stallions. Each lot is subjected to rigorous quality control to ensure a superior product.

E-Z MIXIN[®] Semen Extenders are sold individually or in case lots. Each case contains twenty four (24) 125ml kits. Each kit consists of two components, A and B. Component A is a plastic bottle of demineralized, deionized, purified water. Component B is a hermetically-sealed, aluminum foil-lined packet containing the dry powdered formula.

Choice of Formulas:

E-Z Mixin[®] - "CST" formula contains the antibiotic Amikacin and is recommended for cooled semen programs where semen is stored for extended periods and/or transported.

E-Z Mixin[®] - "OF" is our original formula containing the antibiotic Polymyxin B Sulfate. It is recommended for immediate on-farm use.

E-Z Mixin[®] - "BF" is our basic formula equine semen extender that contains no antibiotics. It is designed for the experi-

enced veterinarian or breeder who wishes to add his/her own choice of antibiotic(s) E-Z Mixin[®] - "BF" is also recommended for use as a centrifugation media for frozen semen processing.

Storage Instructions:

1. Immediately upon receipt, it is recommended that Component A be stored in a refrigerator until needed. For maximum storage life and maintenance of quality, Component B should be stored in a freezer at -20°C (-4°F). Keep all Components out of reach of children and animals.
2. Do not mix Components until immediately before use.
3. Do not expose the product to elevated temperatures or sunlight.
4. For best results, use the extender within 6 months of receipt.

Preparation for Use:

Warm the bottle of water (Component A) to body temperature (37°C or 98.6°F) before adding the dry ingredients (Component B). This can be accomplished by placing the bottle in a thermoregulated water bath (P/N 586A-201) for 15 minutes or in an incubator for several hours.

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ANIMAL REPRODUCTION SYSTEMS

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CAUTION: Warming or heating the extender above 37°C can cause clumping or coagulation, resulting in an inferior product that should be discarded.

Mixing Instructions:

1. Add Component B (Dry Powder) to warmed Component A. To decrease the likelihood of spilling the dry powder, fold a crease vertically near the center of the foil bag. Pour the powder from this crease into the bottle slowly, tapping the bag gently. Close bottle and shake to mix. The extender is now ready for use.
2. Discard any extender that is not used on the day it is mixed.

Alternate Mixing Instructions:

Both components may be mixed at room temperature (see mixing instructions), and warmed until the extender reaches body temperature. For best results a 37°C water bath should be used.

Additional Suggestions and Comments For Best Results:

All components should be examined prior to mixing to insure that the product has not been exposed to unfavorable conditions.

If the water level is below the top of the lettering "TWO WAY EQUINE" on the bottle of Component A, the mixture will not conform to the proper ratio and should not be used.

If the powdered materials in Component B are clumped, will not break up easily and do not pour freely, have a deep yellow or brown color, a cooked or sour milk odor, will not mix easily with Component A, do not remain in suspension or have a grainy appearance when mixed, or, if the spermatozoa show signs of rapidly diminishing motility, the material should be discarded.

E-Z MIXIN® Semen Extenders are sold by the Animal Reproduction Systems division of Dupree, Inc. under exclusive agreement with the Colorado State University Animal Reproduction and Biotechnology Laboratory. All **E-Z MIXIN® Semen Extender** formulas have been evaluated by the Colorado State University Animal Reproduction and Biotechnology Laboratory.

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