

ARS BLUE™ USER GUIDE



ARS Blue™ Semen Extenders are new casein based formulas designed for use in both fresh semen artificial insemination and cooled-transported semen programs. Each formula is 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.

ARS Blue™ Semen Extenders are available with several different antibiotic choices to choose from. The antibiotic is kept in a dry form until just before use to ensure optimal results. All formulas contain gentamicin sulphate and amphotericin B as preservatives.

ARS Blue™ Semen Extenders should be mixed and warmed to body temperature (37°C or 98.6°F) approximately an hour before use.

Storage Instructions:

- 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 may be stored in a freezer at -20°C (-4°F). If applicable, Component C should be kept in a cool dark place. Keep all Components out of reach of children and animals.
- For best results, use the extender within 6 months of receipt.

Preparation for Use:

The Liquid portion of the extender (Component A), or the mixed extender should be warmed to body temperature (37°C or 98.6°F) before use. 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.

ARS Blue™ Extender Package Contents

Part Number	Bottle Cap Color (lot code prefix)	Packet BLU-AS-B	Packet BLU-BF-B	Capsule (Ticarcillin)	Capsule (K Pen G)
BLU-AS	Gold (AS)	X			
BLU-AS-KPG	Gold (AS)	X			X
BLU-BF-TD	White (BF)		X	X	
BLU-BF-KPG	White (BF)		X		X
BLU-BF	White (BF)		X		



ANIMAL REPRODUCTION SYSTEMS

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CAUTION: Warming or heating the extender above body temperature (37°C to 98.6°C) can cause clumping or coagulation, resulting in an inferior product that should be discarded.

Mixing Instructions:

1. Add Component C (if included) to the liquid portion of the extender (Component A) by carefully pulling apart the capsule and pouring the powder into the bottle. Discard the capsule.

NOTE: Before opening capsule, move contents to the longer side of the capsule by gently tapping it.

2. Add Component B (Dry Powder) to the Component A mixture. 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 thoroughly to mix.
3. Allow the extender to sit for 30 minutes to an hour before use. This will allow the foam created during mixing to settle back into the solution. Mixing the extender and warming it in a water bath or incubator, prior to building the AV and collecting the stallion, is ideal.

Additional Suggestions & 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 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.

ARS Blue™ 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 ARS Blue™ Semen Extender formulas have been evaluated and approved by the Colorado State University Animal Reproduction and Biotechnology Laboratory.

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