

BELTSVILLE TURKEY SEMEN EXTENDER II Buffered Solution

Introduction to Turkey Semen Preservation:

The liquid storage of collected turkey semen in a buffered salt solution preserves the fertility of the semen for up to 6 hours post-collection. Unpreserved turkey semen must be utilized immediately to ensure fertility, preventing the use of centralized male breeder facilities to supply semen for multiple breeder hen flocks. Proper use of turkey semen extender enhances the ability to transport diluted semen moderate distances between breeding facilities, increasing the ratio of males to females and permitting increased selection of the male line parent stock.

Product Information:

BELTSVILLE TURKEY SEMEN EXTENDER II is a carefully formulated buffered salt solution for dilution and preservation of the viability of turkey semen for up to 6 hours.

BELTSVILLE TURKEY SEMEN EXTENDER II contains:

- Buffered salt solution in a unique formulation, pH 6.5, osmotic pressure 353 mmol/kg H₂O.

Product Features:

- Preserves turkey semen viability, supporting high fertility levels.
- High fertility levels maintained for up to 6 hours post-collection.
- Consistent formulation and quality.
- Proven field efficacy.

Custom-Made Formulations Also Available:

Intervet, Inc. also offers contact manufacturing and packaging of custom formulations of poultry semen extender. Please call **1-800-992-8051** or your Intervet representative for details

Description:

Beltsville Turkey Semen Extender II is a uniquely formulated buffered salt solution with pH 6.5 and osmotic pressure 353 mmol/kg H₂O. It is stored in liquid form in pre-scored glass ampules or bottles.

Indications:

Beltsville Turkey Semen Extender II may be used to dilute and store liquid turkey semen at low temperature for up to 6 hours to facilitate transport to breeding facilities and insemination of turkey breeder hens.

Dilution Directions:

1. Collect semen and make the dilution at room temperature (68 - 75°F).
2. Dilute the collected semen at a ratio of 1:1 with the extender.
3. Do not use mixers to blend the semen and extender. Semen should be gently mixed using a pipette.

Storage:

1. Diluted semen may be stored in a test tube or an Erlenmeyer flask.
2. Allow plenty of air space in the tube or flask.
3. Cover the tube or flask with aluminum foil. Do not stopper with a cotton plug, rubber stopper, etc.
4. Place the tube or flask in a beaker containing a small volume of water at 25°C (77°F).
5. Place the beaker containing the tube or flask into a cooler or refrigerator at 5°C (41°F).
6. Storage of diluted semen should not exceed six hours.
7. Semen should be gently agitated throughout the six hours to avoid settling of sperm cells.

Insemination dose and schedule:

1. Gently mix the diluted semen to make sure the cells and extender are well mixed.
2. Each insemination dose should contain a minimum of 200 million sperm.
3. Inseminate each hen three times within the first 10 days, and then every 7 days thereafter.
4. For best results, the first insemination should be made before the first egg is laid.

Precautions:

1. Do not freeze diluted semen.
2. Leave air space in the flask or tube containing diluted semen, and do not stopper with cotton, rubber or cork stoppers.
3. Do not dilute semen excessively or hold longer than 6 hours.
4. Use gentle agitation only.

How Supplied

2.5 ml ampules
10 ml ampules
50 ml bottles

Product Code

Color Cap Code