



# Lago Turkey Semen Extender — & — Alongar Turkey Semen Extender

To Extend Turkey Semen for  
Artificial Insemination of Turkey Breeder Hens

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The increasing importance of artificial insemination in poultry reproduction has led to the development of buffered salt solutions or “extenders” for short-term storage of diluted semen for insemination. The most common practice for short-term storage of poultry semen requires suspending spermatozoa in an extender to retain their viability *in vitro*. An appropriate semen extender must provide an energy source for spermatozoa and maintain pH and osmolarity levels identical to those of seminal plasma. Hygieia’s Turkey Semen Extenders have been designed to provide the most favorable conditions for preserving spermatozoa viability and maximum fertility.



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## Advantages of Hygieia Extenders

- Both Lago and Alongar turkey semen extenders are manufactured under strict hygienic conditions, and tested for microbial contamination, pH and osmolarity prior to packaging.
- Both extenders are conveniently stored at room temperature (18–24°C or 68–75°F). Refrigeration is neither required nor recommended.
- Semen viability and high fertility rates are maintained up to six hours after dilution.
- Units are supplied in convenient sizes to meet the customer’s needs.

## Indications for Use

Hygieia’s Lago and Alongar Turkey Semen Extenders may be used for diluting and storing liquid turkey semen for up to six hours at low temperature (5°C or 41°F) for insemination of turkey breeder hens.

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## Dilution Directions

- Collect and dilute semen at room temperature (18–24°C or 68–75°F).
- The semen extender should also be at room temperature (18–24°C or 68–75°F) before use.
- Collect quality semen into a clean dry container. Avoid urates and other particulate contaminations.
- Dilute semen with extender at a ratio of 1:1.
- Mix gently with a pipette. Do not use mechanical devices for mixing.



## Semen Storage

- Diluted semen may be held in a test tube or in an Erlenmeyer flask for up to six hours before use.
- Allow plenty of air space above the diluted semen for oxygen exchange.
- Cover test tube or flask with a loose cap of foil. Do not use stoppers, cotton plugs, or rubber cap, etc.
- Set the flask or test tube into a larger beaker containing water at 25°C (77°F). The water level surrounding the test tube or flask should be slightly above the level of diluted semen within the tube or flask.
- Place the beaker holding the test tube or flask at 25°C (77°F) into a refrigerator at 5°C (41°F).
- Storage of diluted semen should not exceed six hours. During storage, the test tube or flask should be gently agitated from time to time to avoid settling of sperm cells.



## For Best Results

- Store the extenders at room temperature (18–24°C or 68–75°F) out of direct sunlight and temperature extremes.
- Before starting insemination, gently mix the diluted semen for uniform suspension of the sperm cells.
- Dilute semen according to the in-house standard of the breeder operation. Do not over dilute the semen.
- Use the diluted semen immediately. Do not freeze the leftover diluted semen for future use.
- Make sure to leave enough air space in the flask or tube containing the diluted semen. Do not close with cork stopper, cotton plugs, or rubber stopper.
- Do not hold diluted semen longer than six hours.

