A.I. Recommendations and Semen Handling for

Utraplus

13-23 hrs

A.I. with Gender-Sorted Semen 13-23 hours after first signs of standing heat or after ovulation induction treatment (GnRH).*



Preparation

- Maintain inventory records of each canister



Regulate

Use temperature regulated thaw bath to properly thaw units.



Change thaw bath water daily to ensure cleanliness.





Clean thaw bath weekly to ensure hygiene and keep in proper working condition.



35° to 37°C

Monitor water temperature in thaw bath with thermometer at the specified temperature.





45 Seconds

Thaw semen for approximately 45 seconds.



Both GENDER-SORTED and CONVENTIONAL semen must be used within 15 MINUTES of thawing.







Remove

DO NOT TOUCH STRAW WITH HANDS! Remove straw from thaw bath with tweezers, and dry with clean towel.



Transport

Load straw into a pre-warmed A.I. gun and keep in an A.I. gun warmer at 95° to 98°F (35° to 37°C).

Wrap the loaded A.I. gun in a paper towel or sheath cover and keep it at the recommended temperature.





Insemination

*Timing of A.I. based on: Santos, V.G., et.al (2025), Effect of timing of artificial insemination with conventional or sex-sorted semen on fertility of lacting dairy cows. Journal of Dairy Science, 108(8):8945-8958. https://doi.org/10.3168/jds.2025-26428



A.I. Recommendations and Semen Handling for



- A.I. with sexed semen 13-23 hours after first signs of standing heat, same as conventional
- Use temperature regulated thawing units at 95–98°F (35–37°C)
- Change thawing unit water daily
- Monitor water temperature with a thermometer: 95-98°F (35-37°C)
- Clean thawing unit weekly and keep the equipment sanitized
- Thaw for approximately 45 seconds
- Maintain semen at 95–98°F (35–37°C) using an A.I. gun warmer
- Use thawed semen within 15 minutes of initial thaw

As recommended by: Santos, V.G., et.al (2025), Effect of timing of artificial insemination with conventional or sex-sorted semen on fertility of lacting dairy cows. Journal of Dairy Science, 108(8):8945-8958. https://doi.org/10.3168/jds.2025-26428

