



Thawing frozen semen

by using Androhep CryoGuard Thaw Extender Protocol:

Dissolve 50 g of thaw extender (cat. # 13533/3010 Minitube) to 1000 ml of ddRO water. For optimum antibiotic efficiency, do not prepare more than 24 hours prior to use. Allow pH to stabilize for 1 hour before extending semen. Store Androhep Cryoguard Thaw in a sealed container at a 5° C environment.

Thaw straw at 50° C (15 seconds for 0.5 ml straw and 40 seconds for 5.0 ml straw). Immediately evaluate motility.

Transfer 2-3 straws from nitrogen storage to the thaw unit at 50° C water bath. Thaw semen for 15 sec and remove. Dry the straws with a paper towel. Hold ball end or sealed end up and cut straw below this end. Invert the straw and empty the straws into tubes containing 60-80 ml of thaw extender. Temperature of Thaw extender should be 36° C for AI in <1 hour and 26° C for AI in >1 hour. For ~4 million cells per dose: use five to six 0.5 ml straws or one 5 ml straw.

Notes from others:

- **Using Freshly Thawed Semen**

PSSS highly recommends that freshly thawed semen be used immediately for best results. Ideally this semen should be used within the first 15 minutes. We recommend that all thawed semen be used within an hour...time is crucial.

Transport thawed semen to your breeding barn in a Styrofoam box that is roughly room temperature (between 68-80 degrees).

- **Timing of Insemination with Frozen Semen**

PSSS recommends a slightly different breeding schedule when using frozen semen as opposed to the normal fresh semen insemination times.

Gilts	1 st service	24-30 hours after standing heat
	2 nd service	30-36 hours after standing heat
Sows	1 st service	28-32 hours after standing heat
	2 nd service	34-38 hours after standing heat