



Kansainvälisesti kilpailukykyinen sianlihantuotantoketju -hanke



H6B – Storage of semen

Seamen must to storage correctly, to get good litter size and farrowing -%.

1. Seamen reception and storage

- Seamen should be delivered in cool box or bag.
- When seamen have delivered, move doses on a seamen storage cabinet. If it is possible, place them on one layer only.
- Seamen should storage all time at 16 – 18 C° temperature, also when you take doses with you to do heat checking.
- On the storage cabinet should always be min / max thermometer, then you can follow temperature changes. Check storage temperature daily.
- According to the recommendations for right storage, production seamen are 4 days and pure -breed seamen 2 1/2 days useable on farm.
- On heat checking, take only that amount seamen, what you need.
- If you storage seamen on styrox -box during the insemination room working time, you could use doses also on next day. Use these doses first on tomorrow.
- A baskets on storage make easier to notice differ seamen batch / sort. Seamen could separate by breed (production and pure -breed seamen), by seamen taking day and by seamen what have been on insemination room.
- "Turn" doses daily during storage time, the packaged seamen can't get nutrition. Easiest way to do this is sway seamen basket softly by hand.

2. Temperature

- Seamen is very sensitive for temperature variation.
- Less than 15 C° and over 38 C° temperatures causes damages on sperm.
- On temperature 18 – 38 C° sperm are on move, and that how it use unnecessarily it's energy, and that how usability time come shorter.
- Direct sunlight, detergents (cleaning products) and alcohol will kill the sperm.

Don't never storage seamen:

- on cold and draught place
- on window
- on floor
- on pocked

Order sometimes temperature logger with seamen doses. With that you can control temperature chances from station until insemination time.



Check temperature daily. Check also is temperature same on upper and lower level.



This "forgotten" seamen must remove!



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1. With a cool box or bag, the seamen can deliver to the farm in different outdoor temperatures. However, note that there is no temperature adjustment in the delivery package. Be sure that the driver has clear, how the seamen should be delivered from the station to the farm.

When you receive new seamen, be sure that the new seamen will not heat the seamen that is already in storage. That's why try to arrange the seamen separately by delivery day. The easiest way is to keep different batches / breeds in their own mesh baskets.

Plan seamen order / delivery so that you have on the main insemination day so fresh seamen as possible.

During the storage time the seamen will pack together (a white "ferry" on the doses corners), then the sperm can't get nutrition from the diluent. That's why it is important at least once per day to gently sway the doses, that they get nutrition. The easiest way to do this is to sway the seamen basket softly by hand, to mix sperm into the diluent.

2. You should have a min / max thermometer, that you can control seamen storage time history. The thermometer will tell you what kind of changes have been on temperature after the last seamen using. Read the thermometer every time when you take seamen from storage. Reset the minimum / maximum thermometer every time after reading, that the next number is from the next period.

If you suspect that the seamen have been too cold (less 15 C°), do not use the seamen. Do not also use seamen if it has been too warm too long time. Actually, there is no recommendation how long time seamen must be over 18 C° before the seamen is unusable. However, the sperm's best working time says to be about 24 hours. If seamen are on too warm a place, it will shorten this sperm's "best" working time. The suspect seamen are better to be left unused and use only reliable seamen. The seamen quality is difficult to estimate, that's why it is recommended to take from storage only that amount of seamen, what you need.

On the storage must have a fan, otherwise there will be temperature differences inside the cabinet.