



Goatsemen in Austria

Robert Potyka

Austrian Genebank for Farm Animal Genetics

- ▶ Semen from:
- ▶ Cattle
- ▶ Pigs
- ▶ Goats
- ▶ (Sheep)
- ▶ (Horses)

- ▶ Produktion according to EU-Regulation
- ▶ Certified organic
- ▶ Animals are only borrowed
- ▶ Autumn
- ▶ Goats are kept in Homequarantine for 30d
- ▶ Kept in quarantine at our center for additional 30d
- ▶ Tested for: Brucella ovis, abortus, melitensis, suis, Pseudotuberculosis, (BVD)

Animal Keeping







Semen preparation

- ▶ At least 0,5 ml 2×10^9 /ml
- ▶ Photometer Minitüb „SDM 5“ diluted 1 to 500
- ▶ Mass Motility 1-5
- ▶ Dilution 1:1, Forward Motility in the 1:1 dilution(%)
- ▶ Pathoforms (%)
- ▶ If necessary stored at 37° C until all animals have been collected



- ▶ Semen extender: „Steridyl“ by Minitube : Egg yolk, Tris, Citric acid, Sugar, Buffer, Glycerin, distilled water, 500ml diluted with distilled Water to 1250ml
- ▶ Contains Tylosin, Gentamicin, Spectinomycin, Lincomycin
- ▶ Final Dilution with „Steridyl“ at 37°C, storing in water at roomtemperature
- ▶ After the last animal: samples within water placed in 4°C for ~4 hours



<https://www.minitube.com/catalog/en/steridyl-p1485/> 11.06.2025

Portioning

- ▶ Semen is portioned in 0,5ml straws at 4° C
 - ▶ 300 million living Spermcells
 - ▶ Frozen in nitrogen for 8 minutes approx. 2 cm above liquid N
 - ▶ Stored in liquid Nitrogen
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- ▶ Thawing: 20 seconds at 38° C
 - ▶ At least 50% forward moving spermcells



Contact

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