

Simplify your calculations with the Botupharma USA app!

Do you know exactly how much semen and extender you need to reach the correct final concentration? It can be tricky – but now there’s a smart solution!

What does the app do?
The Botupharma USA app helps you calculate the correct dilution levels for semen in animal reproduction (e.g., horses, cattle, goats).

Quickly find out:

- How many doses can be produced from an ejaculate

- Which semen-to-extender ratio should be used
- Calculations based on volume, concentration, and motility

Why is it useful?

- Simplifies and standardizes calculations
- Avoid manual math and get accurate protocols – essential for achieving the best reproductive results.
- Saves time in practice
- Perfect for use in stables, labs, or out in the field when handling semen before insemination or transport.
- Flexible for multiple species and scenarios

- Supports different extenders and applications (on-site use, cooled transport, freezing).



- Available for iOS (App Store) and described for Android users.

Follow us on



Coming up



Focus on Fertility
14-18 October 2026, BMCC - Bruges, Belgium

Who to contact



Product Manager
Ms. Anna Niläng
anna@nidacon.com
Tel: +46-31-703 06 38



Logistics
Mr. Dennis Johansson
dennis@nidacon.com
Tel: +46-31-703 06 37



Marketing KAM
Mr. Martin Magnusson
martin@nidacon.com
Tel: +46-31-703 06 39



Flöjelbergsgatan 16 B • S-431 37 Mölndal • Sweden • Phone +46-31-703 06 30
contact@nidacon.com • www.nidaconvet.com

Nidacon News

Newsletter • Spring • 2026

ESER 2026 Focus on fertility – Diagnostic tests and therapeutic protocols in mares and stallions

Nidacon will be at ESER 2026 – and participating in the OPU Symposium in Bruges!

In October, Nidacon Vet will travel to Bruges, Belgium, where we will both exhibit at ESER 2026 – Europe’s largest continuing professional development event for veterinarians in equine reproduction – and attend the International Symposium on Equine OPU/ICSI/IVF held the day before the main conference.

ESER 2026 brings together more than 500 participants from over 30 countries and

this year focuses on “Focus on Fertility: Diagnosis and Therapy in Mares and Stallions.” The program includes clinically relevant updates on endometritis, seasonal reproduction, embryo transfer, advanced reproductive technologies, semen evaluation, cryopreservation, and more. [eser2026.com]



Running alongside the main program is the International

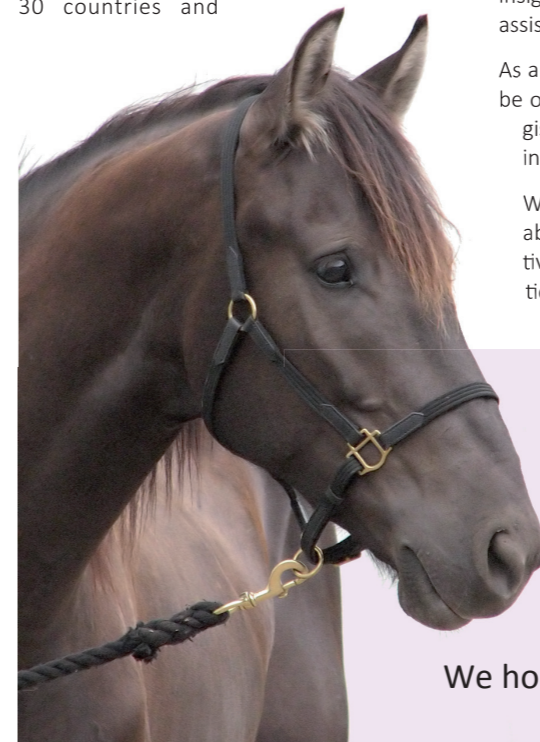
Symposium on Equine OPU/ICSI/IVF (ISEOI) – a highlevel, oneday event designed for veterinarians and embryologists actively performing OPU, ICSI, and IVF. The symposium features the latest clinical protocols, casebased insights, and new scientific data in advanced assisted reproduction. [eser2026.com]

As a sponsor and exhibitor, Nidacon Vet will be on site to meet veterinarians, embryologists, and colleagues from across the equine reproduction industry.

We look forward to sharing knowledge about our products, discussing reproductive challenges, and building new connections.

Dates:

- 14-18 October 2026 BMCC – Bruges, Belgium
- OPU Symposium: 14 October 2026
- ESER 2026: 15-16 October (with additional workshops through 18 October) [academicjobs.com]



We hope to see you in Bruges!

Contents

ESER 2026 Focus on fertility _____ 1

Nidacon regularly visits Swedish stud farms _____ 1

Why using EquiPure before sex sorting delivers better results _____ 2

Nature’s SAFE – a vital mission to protect endangered species _____ 3

Preparing for the season – insights from the Swedish Warmblood Association Course for equine AI-technicians _____ 3

Simplify your calculations with the Botupharma USA app! _____ 4

Who to contact _____ 4

Nidacon regularly visits Swedish stud farms



The latest trip took us to Bränninge Arabian Stud, located about 40 km south of Stockholm.

The farm specializes in breeding high-quality Arabian horses for both show and performance and is home to an impressive collection of stallions available for breeding. During our visit we had the opportunity to see the beautiful horses and learn more about the farm’s breeding program and international achievements.

A big thank you to Sarah and Niclas for the warm welcome!

Why using EquiPure before sex sorting delivers better results

When preparing semen for flow cytometry sex sorting, starting with the best possible sperm population is essential. Using EquiPure before sorting provides multiple biological and technical benefits that improve sorting accuracy, efficiency, and postsort sperm performance.

1. Cleaner samples mean cleaner signals

EquiPure's density gradient method selectively enriches:

- motile sperm
- morphologically normal sperm
- sperm with intact membranes and healthy mitochondria

By removing dead, damaged, and abnormal sperm, you:

- reduce debris entering the sorter
- prevent nonviable cells from absorbing DNA stains
- improve discrimination between X and Y-bearing sperm

Result:

Clearer fluorescence signals and more precise sorting.

2. Faster, more stable sorting

Flow cytometers perform best with clean, consistent samples.

EquiPure helps by:

- Creating a more homogeneous sperm population
- Reducing nozzle clogging
- Improving event stability
- Reducing abort rates and downtime

You get more usable sorted sperm in less time.

3. More uniform DNA staining

Sex sorting relies on detecting a small (~3–4%) DNA-content difference. For reliable



results, sperm must take up DNA dyes consistently.

EquiPure contributes by selecting sperm with:

- Intact membranes
- Stable chromatin structure

This improves:

- Dye uptake
- Signal uniformity
- Sorting purity (often >90–95%)

4. Better tolerance to sorting stress

During sorting, sperm experience shear forces, laser exposure, and extended handling.

Starting with healthier cells means:

- Improved tolerance to sorting stress
- Higher postsort motility and viability
- Better cryosurvival when freezing post-sorted sperm

5. Especially valuable for frozen or lower-quality semen

EquiPure is particularly helpful when:

- Semen quality is compromised
- Frozen/thawed semen is used
- Only limited sperm numbers are available

In these cases, EquiPure ensures:

- A higher proportion of competent sperm enter the sorter
- Less time and capacity is wasted on non-viable sperm

6. Better downstream reproductive outcomes

While EquiPure itself doesn't increase fertility, its upstream improvements can lead to:

- Better embryo development after ICSI
- Higher blastocyst rates
- More consistent pregnancies using sex-sorted semen

Especially important since ICSI bypasses motility – but not DNA or membrane integrity.

Bottom line

Using EquiPure before sex sorting:

- Cleans and enriches the sperm population
- Improves sorting accuracy
- Protects equipment
- Enhances postsort sperm performance

In short:

EquiPure makes sex sorting more efficient, more reliable, and biologically safer – especially when sperm numbers or quality are limiting.



Nature's SAFE – a vital mission to protect endangered species

We are proud to support Nature's SAFE, one of Europe's largest living biobanks and a true pioneer in modern wildlife conservation.

hopeful example of how innovation and conservation can work hand in hand – and we are delighted to contribute to this vital mission.

Learn more about their mission at natures-safe.com



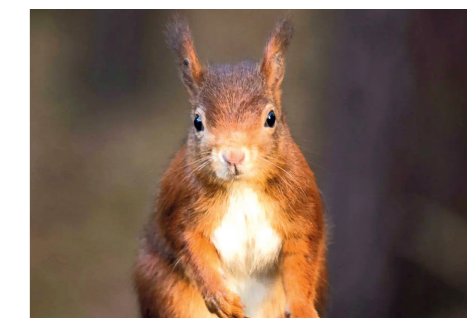
Donate



Their work focuses on saving endangered species by preserving living cells and tissues before it's too late. Using advanced cryotechnology, they freeze biological samples from threatened animals at temperatures as low as -196°C – effectively "pausing time" for their unique genetic material.

Nature's SAFE collaborates with leading zoos and conservation organisations, and has already preserved cells from hundreds of different species, ranging from lemurs and parrots to large mammals like rhinos and elephants. By safeguarding genetic diversity, they are building a biological "backup system" that may become crucial for future conservation efforts and for restoring genetic lines that would otherwise be lost forever.

As reproductive technologies continue to advance, these frozen cells may one day be used to create new gametes or help recover critically endangered populations. It's a



Preparing for the season – insights from the Swedish Warmblood Association Course for equine AI-technicians

We recently had the pleasure of attending this year's artificial ASVT/SWB (Breeders Association for Swedish Warmbloods/Swedish Warm Blood Association) insemination course for equine technicians in Bollerup, Sweden, organized annually by bringing together technicians from across Sweden.



During the training, we were given the opportunity to meet with the future technicians and meet with the organizer Aurelie Allard.

We also discussed key considerations ahead of the breeding season – including how to adapt methods to each stallion, what approaches tend to yield the best results, and how to optimize the overall process for improved outcomes.

It was a highly appreciated and valuable opportunity to share knowledge and gain insights from the participants.

