

Nidacon News

The news letter from your ART supplier • No 1 • 2012

➤ Sperm preparation from a viscous semen sample

It can be extremely difficult to obtain good yields of motile sperm from highly viscous semen samples. Nidacon has developed a method that could be helpful to you in solving this problem in the lab.

The method is very simple and convenient. You simply add Pure-

Sperm®Buffer to the ejaculate, incubate for a short time and the sample is then ready for use. When using PureSperm®Buffer,

The method is very simple and convenient.

you will find a much higher proportion of motile sperm compared to before the incubation, due to reduced viscosity.

The method has been tested at Cecolfes, Bogota, Colombia and their conclusion was:



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Considerable diminishment of the viscosity in a lapse of 5-10 min. making it easier to handle the samples.

After the dilution with PureSperm®Buffer, we recommend that you use a density gradient centrifugation to purify and separate the sperm.



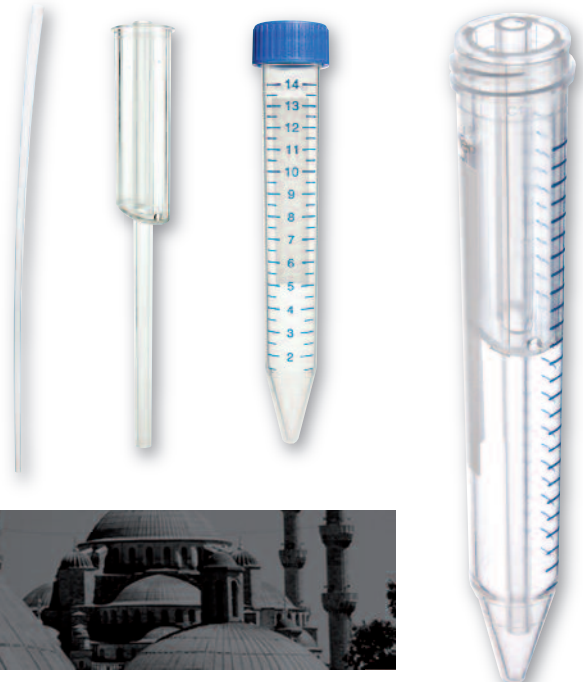
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Preparation of a viscous sample:

- Measure the volume of the semen sample
- Incubate at 37°C for 15-30 minutes
- Dilute 1:4, 1 part PureSperm®Buffer and 3 parts sample (e.g. 0.5 ml PureSperm® Buffer + 1.5 ml semen sample)
- Mix using a pipette
- Ready for sperm preparation using a density gradient

➤ Can your "gradient sperm-prep" be better?

Find "ProInsert" at ESHRE!



Annual Meeting
ISTANBUL, Turkey 1-4 July 2012

Workshop at Flyinge 17-18th March

Flyinge is the largest and best-known breeding station in Sweden and is one of the world's oldest active National studs, dating back to the 12th century. It is an equestrian center for breeding research and training. The stud is situated about 15 kilometers from Lund in southern Sweden and was established in 1661 as a Royal Stud by King Carl Gustav X of Sweden.

Dr. Samper presented a lot of interesting knowledge and results from several important studies.

Since 1983 Flyinge AB is owned by a trust and has a wide range of activities, including breeding of the Swedish Warmblood, equestrian sports, veterinary medicine, training and various events.

It is an outstandingly beautiful place where historic buildings contrast with ultramodern architecture. It comes complete with chattering storks on the roofs and magnificent stallions in the stables.

In 2011 PS Flyinge & Partners AB was established. It's a collaboration between Paul Schockemöhle Pferdehaltung in Germany, Katrinelund in Denmark and Lövsta Stuteri from Sweden. PS Flyinge offers the Swedish market a selection of stallions from the partners, some stationed at Flyinge and some through the import of semen. They have focused on stallions of the highest international quality for breeding and sports.

Nidacon has been working together with Paul Schockemöhle for some time with our gradient products for horses, EquiPure™. When he, together with the partners in PS Flyinge presented their stallions in March, we took the opportunity to organize a workshop at Flyinge to present Equi-Pure™ and our Botu® products.

The workshop was led by Dr. Juan Samper an internationally renowned equine veterinarian and consultant. The past year has had several workshops presenting our products in different parts of the world.

Dr. Samper presented a lot of interesting knowledge and results from several important studies. The results highlighted the benefits of using good quality products for preparing semen along with effective standardized techniques to achieve the best fertility results. He also gave a detailed hands-on demonstration of the EquiPure™ system together with BotuExtend® (buffer) and BotuCrio® (freezing solution) systems.

The initiative of the meeting and the knowledge presented were very much appreciated. This was the first workshop that Nidacon has organized in this area of fertility in Sweden and it will not be the last.



Dr. Juan Samper.



Emma Holmes, Ann-Sofie Forsberg, Dr. Juan Samper, Miguel Blanco, veterinary at Flyinge, Oscar Rymo.



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▶ New look Sperm VitalStain™ – same great product!

After a recent review of our product line's packaging, we've realized that Sperm VitalStain™ stuck out like a sore thumb. We have now changed and upgraded the packaging to better reflect the current look of our products as well as make Sperm VitalStain™ easier to handle for our end users. The cap is now much simpler to screw on and off, which relieves stress on tired hands. Our new bottle and cap weigh approximately half of what the previous

combination did, which helps reduce transport costs. As well, the new compact outer packaging reduces the risks of the bottles breaking during transport and helps to save storage space on your shelves.

Rediscover SpermVitalStain™, a new look for Nidacon, the same great quality for you!



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▶ New CryoFloater

We are now in the process of redesigning the cryo-floater and our goal is to have the new floater ready for market by the end of May.

The aim is to make it more safe and easy to use. We would be grateful if you could help us with any comments or ideas on how you think we should improve it.



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Frequently asked questions

Some recent questions and answers that might be useful to you.

Do we need to incubate PS100 and PS40/80 in 6% CO₂, 37°C before use?

– The most important is to avoid temperature fluctuations for the sperm. The ejaculate is approximately at room temperature or slightly higher at the time for preparation. Therefore, we recommend equilibrating PureSperm® to room temperature, not more. The preparation is also done at room temperature and, therefore, the temperature remains unchanged, steady at room temp. PureSperm®100 and PureSperm®40/80 will keep stable, especially if not kept in the incubator, and they do not need CO₂ equilibration.

Why do I need to buy a separate product, such as PureSperm®Buffer to dilute PureSperm®100? Could I use PureSperm®Wash instead?

– Yes, you can use PureSperm®Wash to dilute PureSperm®. However, a comparison in our laboratories has shown that you will obtain a better yield of motile sperm from using PureSperm®Buffer. PureSperm®Buffer has been optimized for this purpose and is also less expensive.



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► Mexico workshop



Nidacon AB and Laboratorios FERTIMEXICO now offer intensive and customized workshop in Mexico, on Andrology Laboratory Techniques.

We have a 2 days' course about the basic technique of Semen Analysis:

"STANDARDIZATION OF BASIC SEMEN ANALYSIS – UPDATE WHO'S MANUAL 2010". We also have a 3 days' workshop

on different sperm preparation techniques, commonly called Sperm Training Techniques: "TECHNIQUES FOR THE PREPARATION OF HUMAN SEMEN for artificial insemination and in vitro fertilization." These courses are conducted monthly throughout the year in Mexico.

More Information
www.fertimexico.com



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► NordicCell new Nidacon distributor in Denmark

We would like to welcome Anders-Bek Pedersen and colleagues at NordicCell Aps as our new distributor in Denmark. Anders and NordicCell have a long experience of supplying Nordic gynaecologists and fertility clinics with disposables and lab equipment. The company also offers consulting and turn-key laboratory solutions when new IVF clinics are being established.



NordicCell

► Upcoming events

ESHRE in Istanbul, Turkey,
1/7-4/7 2012

This is the 28th Annual Meeting of the European Society of Human Reproduction and Embryology.



NFS in Helsingfors, Finland,
6/8-8/8 2012

NFS, the congress of the Nordic Fertility Society is coming closer. The venue for the congress is Grand Marina Congress Centre in Helsinki, Finland. Aarne Koskimies is chairman for the local organizing committee and the final program has just been announced at the webpage; <http://www.nordicfs.org/>



ASPIRE in Osaka, Japan,
31/8-2/9 2012

ASPIRE, the Asia Pacific Initiative on Reproduction, is a unique task force of clinicians and scientists involved in the management of fertility and Assisted Reproductive Technology (ART). The 3rd Aspire congress will take place in Osaka, Japan, 31/8-2/9.



INVO workshop in Rio de Janeiro, Brazil, 15/9 2012

The first international meeting INVO workshop is taking place in Rio de Janeiro, Brazil. Other topics that will be discussed are mild stimulation, IVM, repeated implantation failure and a new generation of culture media. The conference is organized by Centro de Infertilidad e Medicina Fetal do Norte Fluminense, Brazil and Cecolfes, Colombia.



We believe in the strength of networking and the exchange of knowledge.

Therefore, we are available on Facebook! We publish the latest news, discussions, pictures from conferences, invitations to workshops, campaigns and much more.

You can find a link on our website
www.nidacon.com

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