

## ► Frequently asked questions ?

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

**Are there any risks for the Nidacon products if left at high temperatures for several days? For example, waiting for clearance in customs.**

– No, we have tested all our products for high temperatures. This was done at 50°C, incubating all products for seven days and performing the regular quality controls. All products passed the test.

**Is there any human serum albumin in PureSperm® 100?**

– Research in our laboratory showed that the yield of motile sperm recovered from the gradient was approximately the same, regardless of whether or not the gradient layers contained human serum albumin.

Therefore, we have not included any protein in PureSperm® 100. The colloid in these products eliminates aggregation of sperm and reduces their sticking to the centrifuge tube. However, human serum albumin must be added to the "wash" solution, as provided in PureSperm® Wash.

**What do I need to perform the sperm preparation using PureSperm® SpeediKit?**

– You only need a centrifuge and some sterile pipettes. The kit includes the tubes for the sperm sample and prefilled tubes for both separation and washing.



**Do I need an incubator for performing a sperm preparation with PureSperm® SpeediKit?**

– No, the whole procedure is performed at room temperature.

*If you have other questions, do contact us!*



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**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](http://www.nidacon.com)

facebook

### ► Who to contact

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## ► Upcoming events



**ESHRE in London, United Kingdom, 7/7-10/7**

This is the 29th Annual Meeting of the European Society of Human Reproduction and Embryology. <http://www.eshre2013.eu>

Come and meet us in booth no B116



**NILS in Helsingfors, Finland, 30/8-31/8**

Nordic professionals will once again come together as NILS hosts its 15th Nordic meeting on August 30-31st, 2013. This time the meeting will be held in Helsinki, capital city of Finland. The meeting is held at Helsinki Congress center Paasitorni, located only 5 minutes from Helsinki city center.



## ► Nidacon Social Media

After making a thorough analysis on social media and modern web-technology, we have embarked on a path that we feel certain will improve our everyday relationship with you.

Hopefully this will enhance our cooperation even further.

This is planned to be ready for ESHRE and, when you visit us in our booth you will find many surprises.

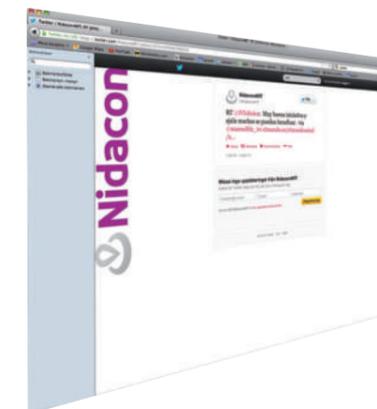
As you might have seen, we now have a more active presence on Facebook and have opened a Twitter account, where we can keep you informed of events both regarding our company and related assisted reproduction updates.

We will further develop and update our YouTube channel where you will find educational videos and tutorials for our entire product range.

We hope you will like and find all these new changes and tools useful. Hopefully this will enhance our cooperation even further.



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## Increasing demand!



ProInsert™ used with sperm from Zebra-fish in China! On the animal side of things, much research is performed on RNA-profile of sperm linked to fertility.

ProInsert™ is the perfect solution for this. It will prevent the possibility of re-contamination of the sperm pellet with RNA from other cells, after colloid-centrifugation. Since a sperm

only has half the amount RNA, one somatic cell can ruin the preparation.

One study is currently being done for this purpose in China with Zebra-Fish and another in Sweden for bovine sperm.



We have seen an increasing demand for our new product ProInsert™. ProInsert™ is a device used for facilitating sperm preparation using density gradient centrifugation while avoiding the risk of recontamination.

At the Swedish national IVF meeting Dr Göran Westlander from Carlanderska hospital in Gothenburg held a lecture; Treating patients with infected samples at the IVF clinic. He recommended that the ProInsert™ is used for all infected samples as a routine in the IVF Lab to avoid any risk of recontamination after the density gradient preparation.

The IVF clinic Cecolfes in Bogota, Colombia today use ProInsert™ for all patients in order to make it easier, safer and quicker to prepare the semen sample.

### TECHNICAL DESCRIPTION

The outer chamber of the ProInsert™ is used for the preparation of the density gradient.

The central channel is only used for retrieving the sperm pellet using the pipette supplied, and should never come in contact with the semen sample.

The second tube is to be used for washing the sperm pellet (see instructions for use).

## ESHRE's Campus Gothenburg



Nidacon attended one of ESHRE's Campus workshops 26-27th of April. The title of the workshop was; From gametes to blastocysts – a continuous dialogue and the

most recent knowledge of these events were discussed with a special emphasis to the continuous dialogue between the two cells through the development from gametes to blastocyst.

From gametes to blastocysts – a continuous dialogue.

The SIG Embryology scope is broad, incorporating all from basic scientific advances to laboratory practices and policy influences.

The two days consisted of a number of very interesting lectures and also interactive sessions, which gave everybody a chance to be part of the discussions.

If you have the opportunity to take part of one of ESHRE workshops from the embryology group or other groups of special interests in ESHRE, we can recommend it.



Kersti Lundin.

### Animal news

## Colloid centrifugation can be a diagnostic tool!



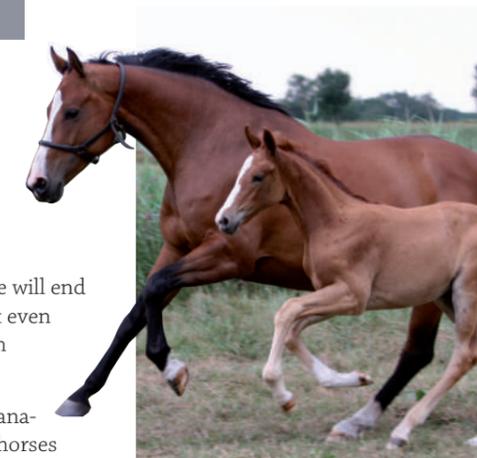
Here you have a case where two stallions with very different fertilizing abilities are compared. When looking at sperm motility and concentration, only minor differences can be seen. When measuring the sperm yield after an EquiPure™ density gradient preparation, however, you find significant differences. Better fertilization ability coincides with a larger pellet.

The EquiPure™ removes lymphocytes, epithelial cells, abnormal or immature sperm, cell debris, bacteria and seminal fluid – and, therefore

the "bad" semen sample will end up with a smaller pellet even though the initial sperm motility was the same.

Now you have the explanation of why one of the horses is better than the other when it comes to fertilization. EquiPure™ has sorted out the bad sperm which are in higher proportion in the bad horse. Moreover, the cells of the immune system which are in the semen have also been removed.

OviPure™ as a diagnostic tool? For the same reason as explained for



EquiPure™ above, a study on sheep is going on in Peru as we speak to determine this.



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### Interesting new data

## Men who wear kilts are more fertile – because their sperm are cooler.

Scottish researchers claim that men who wear kilts have better quality sperm and are therefore more fertile. They claim that wearing a kilt traditionally-without underpants-could provide the ideal environment for sperm to thrive.

Kilt wearing likely produces an ideal physiological scrotal environment, which in turn helps maintain normal scrotal temperature, which is known to be beneficial for robust spermatogenesis and good sperm quality.

According to the study, there are serious effects of not airing a man's groin. Not only did it slow sperm production, but it also caused the testicles to produce substandard sperm which could not swim to fertilise the egg and produce normal embryos.



The Scottish kilt is a male garment that resembles a knee-length skirt. Depictions of men wearing the kilt date back to the 17th century. Nowadays it tends only to be worn for special occasions.

However, the study said that there are moves to reintroduce the kilt as a casual form of clothing, even outside Scotland.

There are serious effects of not airing a man's groin.

It is also said that the kilt gives a man a strong sense of masculinity and freedom. Many women are attracted to men in kilts.

Despite the research pointing to Scottish men being more fertile, statistical data has in fact shown that sperm quality is declining in Scotland. The most fertile country in Europe is actually Iceland.

Erwin J.O. Kompanje, *Scottish Medical Journal*, vol. 58, no 1, February 2013, e1-e5.

## NordicCell

NordicCell ApS has been our distributor in Denmark since the beginning of 2012.

Since the 1st of January 2013 Anders Bek-Pedersen and his colleagues at NordicCell are now also our distributor for Norway.

We hope for continued good collaboration with NordicCell and we also welcome their new colleague; Jacqueline Kartberg. She has a good knowledge of the field of reproduction and will for sure be of great help to NordicCell and all their customers.

