



### Basic Thawing

Most 0.5 ml straws of frozen semen are thawed at 37 degrees Celsius for 10 to 30 seconds. Some veterinarians have had great success with a simplified thawing technique for all 0.5 ml straws. Put the straws in a water bath of 35.5 to 36 degrees Celsius for 40 seconds. It's always best to follow the exact thawing instructions provided by the supplier of the frozen semen, but when instructions have been lost or are unavailable, this is an acceptable protocol.

### Sport Horse Breeding News

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### Inside this issue:

<i>Around the Stud Farms</i>	2
<i>Equine Viral Arteritis Management</i>	2
<i>Caslick's Surgery, cont.</i>	3
<i>Stallion Spotlight—Florestan I</i>	3
<i>SES Sires with Offspring in the News</i>	3
<i>Organization Notes &amp; News</i>	4
<i>Recommended Reads &amp; Websites</i>	4

## Timed Insemination Protocol

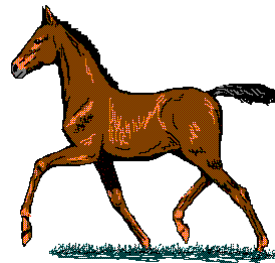
Many veterinarians are hesitant to inseminate their clients' mares with frozen semen, because they do not want the extra work of palpating or ultrasounding mares around the clock. Now they can use a timed insemination protocol that means less labor for them, and less expense for the mare owner. The conception rate is comparable to other protocols.

### Timed Insemination:

1. Examine mare once daily until a 35 mm/3.5 cm pre-ovulatory follicle is present.
2. Administer hCG or GnRH
3. Inseminate with one dose at 24 hours post-ovulating agent

4. Inseminate with one dose at 40 hours post-ovulating agent

This means the mare is inseminated at 24 hours post-ovulating agent, and again 16 hours later. Over 80% of mares will ovulate within 48 hours after the administration of the ovulating agent.



This protocol was originally developed using two full doses per cycle. Though that seems expensive, the added cost of the semen is offset by the reduction of ultrasounds,

palpations and after-hours charges. Many breeders have reported excellent results using only one dose per cycle, split into two inseminations. If you split a dose, it is essential to start with a full dose of 800 million to one billion sperm.

By careful attention to the time the ovulating agent is first given, a veterinarian can easily assure the mare will require drug administration and insemination during normal office hours.

If you have a mare that is reproductively sound, along with quality semen and a good repro vet, this protocol should be as effective as any other breeding protocol.

## Caslick's Surgery Increases Live Foal Rate

Has your mare experienced the unexplained loss of a conception? Ask your vet if she needs a Caslick's surgery, or vulvoplasty. This easy, inexpensive procedure involves suturing the lips of the vulva together, leaving a small opening for

urination. This prevents air, fecal material and other contaminants from entering the mare's reproductive tract through the vagina. Mares with poor perineal conformation, or "tipped" vulvas, where the rectum is recessed from the vulva, are espe-

cially prone to infection. Good perineal conformation means the rectum and vulva are aligned vertically. Thin mares often exhibit this conformation, which can be reversed upon improving the mare's body condition. Even mares (cont. p. 3)

## Around the Stud Farms

### Hans Horn Stables

The legendary Holstein bred stallion Libero H (Landgraf I/Ronald) has passed away in Holland at the age of 28. Under the ridership of Jos Lansink the pair won the 1994 World Cup, just one highlight in a career that included wins and placings in over 200 international competitions.

### Paul Schockemoehle

Sandro Hit has eleven sons scheduled for presentation at the main Oldenburg stallion licensing in Vechta, 11/23-25/06, the largest number representing any stallion. Sandro Hit sons Stedinger and Sunny Boy account for five more of the

young stallions to be inspected. At the August German Foal Championship in Lienen, Sandro Hit's son, Sir Donnerhall, had the most foals in the top ten, with three, while Sandro Hit had one.



Londontime

### Landgestuet Celle

At the recent Hanoverian stallion licensing and stallion market in Verden, Germany, several young approved stallions were purchased for the venerable station's lineup. The reserve champion, by Laurie's Crusador xx, out of Cilla by Cavlier, was purchased for 115,000 Euros, a Rotspon, out of Wenika, by Welt-

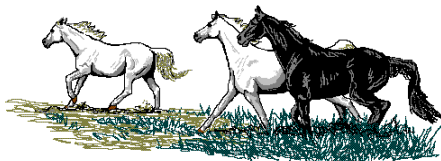
meyer for 140,000E, a Sunlight xx, out of SPS Venezia, by Wolkenstein II, for 47,000E and a Belissimo M, out of Wendy, by Wendekreis for 62,000E. At the Verden Autumn Auction Londontime sold for a record 510,000E. His semen will be offered through the State Stud at Celle.

### Katrinelund

De Noir (De Niro/Matcho AA), has entered quarantine for frozen semen export approval. The best foal at Verden, Germany in 2006 was sired by De Noir. In Denmark, ten of 29 fillies qualified for the elite show were sired by De Noir.

## Equine Viral Arteritis Management

Equine Viral Arteritis (EVA) causes contagious respiratory disease in horses and abortion in mares. EVA is an airborne virus and is spread by close contact between horses. Most horses who get EVA do not show any observable symptoms, and it rarely leads to death. Equine Viral Arteritis is transmitted by infected mares, through the placenta, to their unborn foals, and can cause pneumonia and enteritis in very young foals.



EVA can be transmitted via live cover, fresh cooled or frozen semen breeding methods. Abortion occurs late in the acute phase or early in the recovery phase of the infection, not months after the virus exposure has taken place. Abortion often results when an unprotected or first-time EVA-vaccinated mare has been bred with virus-infected semen and is then commingled with other pregnant

mares. Do not house recently vaccinated mares or mares recently bred with virus-infected semen with pregnant mares.

Isolate mares vaccinated against EVA from all but known antibody-positive animals for three weeks after they have been bred to a carrier stallion or with EVA-positive semen. It is especially important to avoid contact between such mares and other pregnant mares, as they can spread the virus via the respiratory route. Vaccinate mares at least three weeks prior to breeding to a known carrier stallion or with virus-infected semen. Do not vaccinate pregnant mares.

Carrier stallions, whether through artificial insemination or natural cover, are the primary

transmitters of EVA, and may have the disease in their system for life. The carrier state has never been confirmed in a stallion vaccinated against EVA. Mares, geldings and sexually immature colts do not become persistently infected or carriers of the EAV virus. Vaccinate all colts intended for future stud duty against EVA prior to 270 days of age.

Horses that have had the disease, can never get it again. U.S. horses that test positive for EVA antibodies and horse semen from EVA-infected horses are generally barred from entering foreign countries.

Vaccination is the best form of protection. One lifetime vaccination used to be recommended, but USDA now suggests yearly vaccination. Consult with your veterinarian to develop a program.

## Stallion Spotlight ~ Florestan

Florestan I is referred to by the Northrhine Westphalian State Stud as their “cash cow,” due to the reliable sales of his semen and offspring. He is well on his way to establishing his own “F” line in international sport horse breeding. A product of the NRW breeding program, the bay stallion is considered “the very model of correctness.” His sire, Fidelio, was sired by the legendary Selle Francais stallion, Furioso II. Furioso II had a huge influence on the Oldenburg breed, and also on the Dutch studbook through his son Voltaire. Florestan’s dam, SPS Raute, was a successful show mare who was champion of her age group



Florestan I

at three and won her class at the German Mare Show in Verden. The stallions Gardist and Bundeschampion Roman Nature descend from this mare family. Florestan I was champion of the 1988 Rhineland approval and won his performance test in Warendorf the following year. He was a very good riding horse, but was retired due to an injury after being trained to level S dressage. Florestan I is a stamping sire who produces foals of his same type, and that are very easy to handle and ride, and who suit the needs of amateurs as well as professionals. The director of the NRW, Susanne Rimkus, has said,

“When I see foals by him, out of Thoroughbred mares, it is always a very good crossing.” Typical of the NRW stallions, the Florestan’s can also possess quite a bit of talent at the jump, including an Olympic caliber mount ridden by Franke Sloothaak. Florestan has many sensational offspring competing on the world dressage stage, including WEG medalist, Floriano, 6 year old World Young Dressage Horse champion, Florencio, 5 year old Bundeschampion, Ferrara, 4 year old Bundeschampion, Fidermark, and 4 year old stallion Bundeschampion, French Kiss. Florestan I has excellent quality frozen semen and a correspondingly high conception rate.

## SES Sires with Offspring in the News

**Metal’s** daughter, Rabiola, was anointed the Dressage at Devon Breed Show Grand Champion for 2006. The stunning 8 year old mare was imported from Netherlands. She won all her breeding classes, including the four and older broodmares class with 83.75%, the USDF Breeder’s Championship for Mares (84.62%), the NA/WPN 3 and up class (84%) and the mare championship, plus the grand championship.

The reserve grand champion at Devon in 2006 was Selten HW, by **Sandro Hit**, out of a **Hohenstein** mare. Selten HW won the USDF Breeders Championship for Colts (85.20%), the 2 year old colts and geldings class (79.70%), the Hanoverian 2 year old and older



Metal

class (79.70%), the colt and gelding championship, and was also named best U.S. bred horse and high-point Hanoverian.

Floriano, by **Florestan I**, under the saddle of Steffan Peters, led the U.S. team to a bronze medal in dressage at the World Equestrian Games in Aachen, Germany in August.

## Caslick’s, cont.

with good conformation behind can lose vulvar tone after years of foaling or after a difficult birth (dystocia). To determine if your mare’s perineal conformation is adequate to prevent contaminants from entering her reproductive tract, follow the advice of Dr. Bill Ley, “Your veterinarian is the best resource to provide advice on this, but a quick

and easy test is to part the lips of her vulva (being careful not to get kicked). You should be able to expose at least an inch of the pink, glistening mucous membrane on either side before the mucous membrane contact or seal formed by each side gaps open.” Performance mares intended for future use as broodmares should be sutured to prevent

their taking air into the vagina (windsucking) during strenuous exercise. Windsucking can lead to chronic infection and scarring of the uterine lining, resulting in reduced conception. The Caslick’s surgery must be reversed prior to foaling and/or live cover breeding, but this too is a relatively easy task.

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## SES SERVICES

**Paperwork** for the 2006 breeding season will be completed in November. If you haven't received your docs by December 1, please contact SES.

**WANTED**—Someone knowledgeable about sport horse bloodlines and performance, to update stallion information pages on the website. Please contact SES at 307-587-5105.

**2007 Sale Deadlines**—Early Bird, 1/23/07, Netherlands, 2/27/07 Belgium, 3/13/07, Spring Breeders, 3/13/07, Danish, 2/28/07. Possible Iberian sale, based on interest.

**North American Stallions on SES Roster.** Two new options give your stallion visibility on the world's most-visited frozen semen website. 1) A direct link to the stallion's page on your website, via the new North American Stallion Roster (available to all stallions offering frozen semen), or, 2) A page on the SES website, on the same roster with the European stallions, by breed, with a link on the page to your website (available to breeding-approved stallions with frozen semen). An exclusive option, with SES handling sales, and shipping, is also available. Call 307-587-5105 for details.

**Free Display Ads for all SES clients.** Take advantage of free display advertising on the most-visited frozen semen website in the world. Others pay \$20 for a six-month listing.

**Foal Gallery**—Please send photos of your foals.

**Video Links**—Many new video links have been added to the roster.

## Organization Notes & News

### AHHA

The American Holsteiner Horse Association has lowered its frozen semen fee to \$125. "Foreign sire fees" cover the costs of paperwork, phone calls and faxes to European counterpart registries. Reasonable fees encourage more breeders to use foreign sires via frozen semen.

### USDF

The United States Dressage Federation has clarified the definition of "breeder" as it pertains to their Breeder of the Year award program. The breeder is the person or legal entity listed on the horse's registration papers. USDF cannot combine listings. For example, horses registered as bred by a farm, and others bred by one or more of the farm owners will each constitute a separate listing. Only the registry that issued the papers can authorize

changes to them. A copy of amended papers must be submitted to USDF. Contact: 859-971-7306 for more information.

### USHJA

The Judge's Group of the U.S. Hunter Jumper Assoc. is seeking comments from members regarding proposed changes to the judge's licensing process. The objective is to increase the number of qualified judges by allowing changes to the current Fast Track System and create a new Judges Mentor System to allow qualified professional horsemen to license. Read about the rule changes at [www.ushja.org](http://www.ushja.org).

### USEF

The complete list of 2007 USEF Proposed Rule Changes is available at [www.usef.org](http://www.usef.org)

## Recommended Reads & Websites

Though its hard to imagine that not everyone knows about Bernd Eylers fantastic German sport horse site, Horse-Gate, there may yet be a few people unaware of the wealth of information archived there. Horse-Gate has links to most prominent breeding farms in Germany, and features updates with video clips and results from all important German sport horse events and competitions. There is a vast archive of still photographs, including many unavailable elsewhere, well-researched biographies of prominent stallions and a great collection of video clips called "Horses in Motion." Mr. Eylers also publishes the annual Selected Sires series and produces videos of many of Germany's top stallions, which are available for purchase from his site: [www.horse-gate.com](http://www.horse-gate.com)