



THE *Friesian Horse*  
ASSOCIATION OF NORTH AMERICA

**4037 Iron Works Parkway, Suite 160, Lexington, KY 40511-8483**

**(859) 455-7430 (telephone) (859) 455-7457 (facsimile)**

*A member of the National Horse Center*

To help ensure you have all of the correct information for what is required after your stallion has been selected, FHANA has put together this checklist to assist you. Questions regarding this process should be answered before you begin to avoid any unnecessary issues.

If questions you can contact;

Katherine M. Fox, DVM  
Fenway Foundation for Friesian Horses  
N3398 State Road 76  
Hortonville, WI 54944  
920-284-1450  
[foxfenway@yahoo.com](mailto:foxfenway@yahoo.com)

**KFPS Exam Prior to Central Proving**

FHANA recommends that you include the physical examination information with your packet. Forms can be downloaded from the FHANA website.

**KFPS RADIOGRAPHIC CHECKLIST**

**GENERAL INFORMATION:** A complete set of radiographs for the review of the veterinary classification committee comprises 22 radiographs of excellent radiotechnical quality according to projection and exposure. Radiograph films are requested for each X-Ray. Digital radiographs submitted on a disc will be accepted.

**Name of the horse, registration number, chip number, date of radiographic examination and the correct labeling of each leg must be printed on each radiograph.**

**FORELIMBS – radiographs to be taken for BOTH forelimbs**

- \_\_\_\_ 1. **Navicular Bone** – Feet should be prepped properly (shoes removed, sole cleaned  
(4) and trimmed, packing of the sole/frog with appropriate material for the DP). Use a wooden block to raise the foot. 16 cm from the floor, lift the heel to a 55 degree angle for the upright view.  
\_\_\_\_ R \_\_\_\_ L Lateromedial view (LM)  
\_\_\_\_ R \_\_\_\_ L Dorso55prox-Palmarodistal Oblique (D55PR-PaDO) – Upright Pedal of the podotrochlea (Use a grid with standard films)
- \_\_\_\_ 2. **Fetlock Joint** – sesamoid bones in projection without superimposition of the collateral one.  
(6) \_\_\_\_ R \_\_\_\_ L Dorso45Medial-Palmarolateral Oblique (D44M-PaLO)  
\_\_\_\_ R \_\_\_\_ L Dorso45Lateral-Palmaromedial Oblique (D45L-PaMo)  
\_\_\_\_ R \_\_\_\_ L Lateromedial (LM) (voluntary view)

## **HINDLIMBS – radiographs to be taken for BOTH hindlimbs**

### \_\_\_\_\_ 3. Fetlock Joint

(2) \_\_\_\_\_R \_\_\_\_\_L Lateromedial (LM) (voluntary view)

### \_\_\_\_\_ 4. Hock – to include all of the tarsal joints and the calcaneus

(6) \_\_\_\_\_R \_\_\_\_\_L Lateromedial (LM)

\_\_\_\_\_R \_\_\_\_\_L Dorsoplantar (DP)

\_\_\_\_\_R \_\_\_\_\_L Dorso45Medial-Plantarolateral Oblique (D45M-PILO)

**Radiographs made in the Plantaro45Lateral-Dorsomedial Oblique (PI45L-DMO) direction ARE NOT ACCPETED.**

### \_\_\_\_\_ 5. Stifle Joint

(4) \_\_\_\_\_R \_\_\_\_\_L Lateromedial (LM)

\_\_\_\_\_R \_\_\_\_\_L Caudo10Proximal60Latero-Crainomedial Oblique  
(Cd10Pr60L-CrMO)

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## **22 Total Radiographs**

### **KFPS SEMEN COLLECTION AND EVALUATION**

#### **Semen Collection**

- A. Stallion should be collected two times, with at least 1 hour between collections
- B. All parameters evaluated for the semen should be the mean of the two collections
- C. The external genitalia should be palpated both before and after the collections and should not show any abnormalities. Both testicles should be descended. The volume of one testicle s should be  $\geq 50\%$  of the volume of the contralateral testicle.

#### **Semen Evaluation**

- A. Total Volume – the total volume of the collection in milliliters (mls)
- B. Concentration – the total number of spermatozoa per ml of raw semen ( $10^6/\text{ml}$ )
- C. Progressive Motility – the percentage of sperm cells showing rapid linear movement
- D. Normal Morphology – the percentage of viable sperm cells also having normal morphology (see “Slide Preparation” below).
- E. TSN (Total Sperm Number) – Total number of progressively motile spermatozoa having n normal morphology per ejaculate. **Calculated as follows:**

$$\text{TSN } (10^6) = \text{Total Volume (mls)} \times \text{Concentration } (10^6/\text{ml}) \times \text{Progressive Motility } (\%) \times \text{Normal Morphology } (\%)$$

**Slide Preparation** – a slide needs to be prepared, **per collection**, for evaluation of spermatozoa morphology and for submission to the KFPS. **Please use the same slide for your evaluation that you will send to the KFPS** as this will be the slide that they will use to validate your written results.

- A. Use eosin-nigrosin to stain the spermatozoa.
- B. Evaluate at least 200 sperm cells, of which at least 100 should be viable cells. Record only the most significant abnormality of each spermatozoa (if  $> 1$  abnormality exists within a spermatozoa).

1. **Evaluation of Results** – remember that these parameters are the mean of the two ejaculates, collected at least one hour apart.

- A. Requirements for **2-year-old stallions**:

≥600 TSN and ≥50% normal morphology **OR** ≥800 TSN and ≥45% normal morphology

**B. Requirements for stallions > than 2 years old:**

≥1000 TSN and ≥50% normal morphology **OR** ≥1200 TSN and ≥ 45% normal morphology

- 2. Stallion Identification** – Prior to semen collection, the microchip number of the stallion has to be verified. **The number must be entered on the final report.**

Completion of the Semen Collection and Analysis results in the following:

- \_\_\_\_\_ 1. Written evaluation of the results of BOTH collections
- \_\_\_\_\_ 2. Stained slides from both collections.

**With all examinations completed, the following should be submitted to the FHANA office:**

- \_\_\_\_\_ 1. Completed Physical Examination Form
- \_\_\_\_\_ 2. Complete set of Radiographs  
Submit the original standard films OR a disk if radiographs were done digitally.
- \_\_\_\_\_ 3. Completed Semen Collection and Evaluation Report
- \_\_\_\_\_ 4. Stained slides from each semen collection (in an appropriate container to protect from damage).

Please call the FHANA office to let them know that you are sending your stallion's results, so that they will know when to expect them. Please send them to the following address:

FHANA  
ATTN: Jason Tice  
4037 Iron Works Parkway, Suite 160  
Lexington, KY 40511  
859-455-7430  
[jtice@fhana.com](mailto:jtice@fhana.com)