

FEI Equine Anti-Doping and Controlled Medication Programme



LockCon Sampling Kit Instructions

Effective 1 January 2024

Part 1: Sampling equipment

The contents of the LockCon kit are shown below:

Each kit is packed in a numbered box as shown in Figure 1.



Figure 1: Each kit is labelled with a unique identification number and is FEI branded.

Each sampling kit contains (see Figure 2):

1. Four bottles with security caps (two blue bottles for urine samples A and B, and two red bottles for blood samples A and B)
2. Four plastic transportation safety bags (for packing bottles containing urine and blood)
3. Bar code labels (12 labels per sample)
4. One disinfection swab
5. Two pairs of gloves (packed in sealed plastic bags)
6. Six vacutainers, needle holder and needle (packed in a sealed plastic bag)



Figure 2: Each sampling kit comprises pre-packaged sampling equipment.

Additional items not included in the sampling kit (Figure 3):

1. Urine collector holder
2. Pad of FEI EADCM Sampling Forms (not shown in Figure 3)
3. Spare gloves (in individual sealed packs)
4. Laboratory Sample Dispatch Form (not shown in Figure 3)
5. Plastic urine collector (each packed in a sealed plastic bag)
6. Tape for sealing the sample boxes (not shown in Figure 3)



Figure 3: A urine collector and holder.

Packing equipment for carriage of samples to the laboratory (Figure 4)

1. Blue carrying bag
2. Security clip
3. Freezer packs (should be kept in a freezer for at least 12 hours before use)
4. Isotherm bag



Figure 4: A transport bag and security clip

Part 2: Sampling Protocol

The utmost care must be taken to avoid contamination of samples during and after collection. Gloves must be used during the entire sampling procedure until the sample containers are no longer handled directly. Testing Teams should adhere to the following procedure:

1. Check the identity of the horse from the passport, using the description diagram and the microchip where possible.
2. Demonstrate to the PR or representative that the sampling kit is sealed and unopened. When using other sampling equipment, demonstrate to the PR that the equipment is new and the tamper evident seals are intact when applicable.
3. Open the kit box on a clean surface.
4. Demonstrate to the PR or their representative that the numbers on the box, bottles and sample bag match the stickers provided in the kit.
5. The TT and the Testing Veterinarian should both wear gloves, which must be changed if they are broken or if contamination occurs or is suspected.

The Testing Team now attempt to collect urine and then blood.

Urine collection

1. In front of the PR or their representative, remove the urine collector from its sealed plastic bag and place it in the collection handle. The TT should then enter the box with the horse and attempt to collect urine. The TT should wear gloves during urine sample collection (Figure 5).



Figure 5: Urine collection

1. The optimum volume to collect is half a collector or just over. This is sufficient to fill both sample bottles without causing difficulties in handling or risk of spillage.

2. Divide the urine between the small blue sample bottles up to the top i.e. 100ml should be poured into each bottle. The collector can be slightly squeezed to facilitate the transfer. Do not fill urine over the top line of the bottle (Figure 6).

If less than 200ml of urine has been collected, pour 2/3 of the urine sample into one blue bottle and the remaining 1/3 into the remaining blue bottle.

After having filled the blue sample bottles, any remaining urine that has been collected must be poured away. It cannot be used for any other purpose.



Figure 6: Each of the two blue urine bottles should be filled to the 100ml mark, indicated on the side of the bottle

3. Screw the caps onto the bottles until they turn no further (Figure 7). It is not possible to reopen a bottle once it has been closed without breaking the security cap (in case of breakage, a new kit must be used). Turn the sealed bottles upside down to ensure that there is no leakage (Figure 8).



Figure 7: Screw the cap onto the bottle until it turns no further



Figure 8: Turn the sealed bottle upside down to ensure there is no leakage

4. Seal the bottles in transportation safety bags (Figure 9).



Figure 9: Sealing bottles into transportation bags

Blood sampling

1. Wearing gloves, the Testing Veterinarian will remove the blood tubes, needle holder and needle from the sealed plastic bag.
2. The Testing Veterinarian will clean the injection site with the disinfectant swab.
3. The Testing Veterinarian, supported by the Testing Technician, will collect six vacutainer tubes of blood.
4. Place a bar code label on each vacutainer tube (Figure 10).



Figure 10: Label each tube with a barcode sticker

5. Place four vacutainers into one of the red bottles. This will become the A sample. (Figure 11)



Figure 11: Place 4 vacutainers into one of the red bottles

6. Screw the cap onto the bottle until it turns no further. It is not possible to reopen the bottle once it has been closed without breaking the security cap. Finally, place the bottle into a security bag. (Figure 12)



Figure 12: Place the red bottle containing four vacutainers into the security bag

7. Remove the protective strip and stick the flap of the security bag carefully across the full width of the bag (Figure 12).
8. Place the remaining two vacutainers into the second red bottle to form the 'B' sample tubes bottle (Figure 13), and screw the cap onto the bottle until it turns no further. It is not possible to reopen the bottle once it has been closed without breaking the security cap.



Figure 13: Place the remaining two vacutainers into the second red bottle

9. Finally, place the bottle into a security bag. Remove the protective strip and stick the flap of the security bag carefully across the full width of the bag.

Documenting and packaging of samples

1. The FEI EADCMP Sampling Form (Figure 14) must be completed by the Testing Veterinarian or Technician and signed by the Testing Veterinarian, in clear handwriting.

The figure displays two forms from the FEI (Fédération Equestre Internationale) related to EADCMP (Equine Anti-Doping and Controlled Medication Programme) sampling. The top form is the 'FEI EADCMP SAMPLING FORM' (Version 1), and the bottom form is the 'FEI RECEIPT OF SAMPLING'.

FEI EADCMP SAMPLING FORM (Version 1):

- Header:** FEI FÉDÉRATION ÉQUESTRE INTERNATIONALE, FEI EADCMP SAMPLING FORM N° 94611, FEI CLEAN SPORT.
- Instructions:** Please complete in capital letters.
- Fields:**
 - Sample number sticker
 - Time horse held (dropdown)
 - Time sample taken (dropdown)
 - Event name (text)
 - Event Level (dropdown)
 - Location (text)
 - Country of Event (dropdown)
 - Date (calendar)
 - The Horse was identified using: Diagram Microchip
 - Passport no. (text)
 - Microchip no. (text)
 - Name of Horse (text)
 - Name of Athlete (text)
 - Name of Testing Veterinarian (text)
 - Name of Testing Technician (text)
 - Remarks (text area)
- Signatures:** Signature of Testing Veterinarian and Signature of Athlete/Representative/Other.
- Disclaimer:** I certify that I supervised the collection and sealing of the undermentioned samples in accordance with the FEI Veterinary Regulations.
- Retention:** THIS PART TO BE RETAINED BY THE TESTING VETERINARIAN

FEI RECEIPT OF SAMPLING:

- Header:** FEI FÉDÉRATION ÉQUESTRE INTERNATIONALE, FEI RECEIPT OF SAMPLING, N° 94611.
- Fields:**
 - Sample number sticker
 - Name of Horse (text)
 - Passport no. (text)
 - Event name (text)
 - Name of Testing Veterinarian (text)
 - Remarks (text area)
- Signatures:** SIGNATURE (for Testing Veterinarian)
- Disclaimer:** We will use the information you provide on this form as part of our Equine Anti-Doping and Controlled Medication programme to enforce the FEI Anti-Doping and Controlled Medication Regulations and the FEI Veterinary Regulations. For more information, including your data protection rights, please see our Anti-Doping Privacy Policy, available on the FEI website.
- Retention:** THIS PART TO BE DETACHED AND HANDED TO THE PERSON RESPONSIBLE/REPRESENTATIVE

FEI RECEIPT OF SAMPLING (Bottom Section):

- Header:** FEI FÉDÉRATION ÉQUESTRE INTERNATIONALE, N° 94611.
- Fields:**
 - Sample number sticker
 - Year of birth (dropdown)
 - Date of sample collection (calendar)
 - Remarks (text area)
- Tick boxes where applicable:**
 - Female Gelding Male
 - Urine Blood Other (e.g. hair, swabs)
- Retention:** THIS PART TO BE PLACED IN THE SAMPLING KIT WITH THE SAMPLE AND SENT TO THE FEI APPROVED LABORATORY

Figure 14: EADCM Sampling Form

2. The PR or their representative must not sign the form until it is completed and the samples have been sealed in their bottles.

3. Bar code labels must be fixed on all three parts of the front form (Figure 15) and on the copy sheet. A single sticker may be retained for the dispatch form to go to the laboratory but the remainder should be sealed in with the samples.



Figure 15: Bar Code stickers should be placed on each section of the form

4. The lower (copy) sheet of the form should be divided; the upper part is retained by the Testing Veterinarian, the PR or their representative is given the middle part and the lower part is placed in the sampling kit and sent to the laboratory with the samples.

5. In the presence of the PR or their representative, the four sample bottles, the laboratory section of the FEI EADCM Sampling Form and the unused bar code numbers should be placed in the sampling kit box (Figure 16).

6. The box should be sealed and taped closed (Figures 17 & 18).



Figure 16: Unused barcode numbers should be placed in the sampling kit box



Figure 17: The box should be sealed and then taped shut



Figure 18: The box should be taped shut after sealing

6. The upper (white) sheet of the form must be sent electronically to the FEI.

Packing the kits for transport

For transportation to the laboratory the sampling kit boxes should be placed into isothermal bags with freezer packs. Isothermal bags should be filled with a maximum of two kits per bag. Freezer packs should be stored in a freezer for at least twelve hours before use (Figure 19). Isothermal bags should be closed and packed in a blue carrying bag (Figure 20), which should then be closed with a plastic security clip before being given to the courier who will ship it to the laboratory (Figure 21).



Figure 19 : Testing kits and a freezer pack(s) should be placed into the isothermal bags



Figure 20: Isothermal bags should then be packed into the blue transport bags



Fig 21: The blue carrying bags should be securely fastened with the red plastic clip