

# VetScan VSpro Fibrinogen Calibration Kit

*For Veterinary Use Only*

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## INTRODUCTION

This kit is used to calibrate the VetScan VSpro Analyzer in order for it to perform the VetScan VSpro Fibrinogen test cartridge correctly.

It is recommended to calibrate the VetScan VSpro Analyzer every 12 months. The software will automatically remind the user that it is time to calibrate the instrument. This reminder can be switched off via the calibration page.

The calibration kit can only be used one time.

The calibration procedure takes approximately one hour.

This package insert provides you with the necessary information needed to perform the calibration. If you have questions, contact Abaxis Technical Support at 800-822-2947.

## THE VetScan VSpro FIBRINOGEN CALIBRATION KIT

The kit contains the following items:

- Three pouches with one Fibrinogen Calibration cartridge in each pouch.
- Bottle with freeze dried VetScan VSpro Fibrinogen Calibrator.
- Bottle with VetScan VSpro Fibrinogen Buffer.
- Three pipette tips for the 100 µL pipette (included in cartridge pouch).
- One 100 µL pipette.

### IMPORTANT:

- The calibration kit must be stored at 2-8 °C (36-46 °F) and must be allowed to reach room temperature before use.
- The calibration kit is functional until the expiration date printed on the cartridge pouch and box label.
- The test kit must not be exposed to direct sunlight and temperatures higher than 30 °C (86 °F).
- When the pouches have been opened, the VetScan VSpro Fibrinogen Calibration cartridges must be used within 30 minutes.
- Each VetScan VSpro Fibrinogen Calibration cartridge can only be used once.
- The VetScan VSpro Fibrinogen Calibration cartridge can only be used with the VetScan VSpro Analyzer.
- The VetScan VSpro Fibrinogen Calibration cartridge can only be used to calibrate the VetScan VSpro Analyzer for the Fibrinogen test cartridge.

## OPERATING PRECAUTIONS

**DO NOT** use VetScan VSpro Fibrinogen Calibration cartridges that are damaged, past their expiration date, or have been improperly stored.

**WARNING:** The calibrator is based on human fibrinogen and it is recommended to use gloves when working with the calibrator fluid.

**WARNING:** All biohazard safety guidelines pertaining to the handling and disposal of samples containing human blood fraction products should be strictly adhered to when working with the calibrator fluid.

## VetScan VSpro FIBRINOGEN CALIBRATOR FLUID PREPARATION

### Materials needed:

- Bottle with freeze dried VetScan VSpro Fibrinogen Calibrator.
- Bottle with VetScan VSpro Fibrinogen Buffer.

### Preparation of Calibrator Fluid:

- Ensure that no liquid is caught in the cap of the pre-filled bottle with calibration buffer by tapping the cap. Then remove the cap from the bottle with VetScan VSpro Fibrinogen Buffer.
- Remove the cap from the bottle with freeze dried VetScan VSpro Fibrinogen Calibrator.
- Pour the VetScan VSpro Fibrinogen Buffer into the bottle with freeze dried VetScan VSpro Fibrinogen Calibrator. Ensure that no buffer remains in the tube.
- Replace the cap on the bottle with freeze dried VetScan VSpro Fibrinogen Calibrator and ensure that the cap is securely fastened.
- Gently swirl the bottle for one minute until the freeze dried calibrator is completely dissolved. Ensure that all freeze dried calibrator is properly reconstituted.
- Let the calibrator fluid settle for 15 minutes before continuing.

### WARNING:

All of the liquid from the VetScan VSpro Fibrinogen Buffer bottle must be transferred to the bottle with freeze dried VetScan VSpro Fibrinogen Calibrator. If liquid remains in the bottle or is spilled, the calibration will not be correct.

## OPERATING INSTRUCTIONS

### Materials provided:

- Three VetScan *VSpro* Fibrinogen Calibration cartridges.
- Three pipette tips for the 100 µL pipette (included in cartridge pouch).
- Calibrator fluid (prepared according to guidelines).
- One 100 µL pipette.

### To perform the calibration, the following is needed:

- VetScan *VSpro* Analyzer.
- Three pipette tips for the 100 µL pipette (included in cartridge pouch).
- Software version on VetScan *VSpro* Analyzer capable of performing a *VSpro* Fibrinogen test.
- Materials provided.

**IMPORTANT:** Before performing the calibration, make sure that the VetScan *VSpro* Analyzer software has been upgraded according to the instructions in the VetScan *VSpro* Analyzer Operator's Manual.

**IMPORTANT:** Make sure that the calibrator fluid has been prepared according to guidelines in this package insert.

### Calibration procedure:

- Step 1:** Let the cartridge reach room temperature 15 - 30 °C (59 - 86 °F).
- Step 2:** Touch the "Setup" button in VetScan *VSpro* Analyzer's main menu and then the "Calibration" button in the setup menu.
- Step 3:** In the calibration menu, touch the "Calibrate" button and the Confirm calibration fluid screen is displayed. Touch the "Confirm" button if the fluid has been prepared according to instructions. Otherwise cancel the calibration.
- Step 4:** Use the on-screen keyboard to enter the 11-digit calibration code and then touch the "Done" button. **The 11-digit calibration code can be found on the bottle with freeze dried VetScan *VSpro* Fibrinogen Calibrator.**

**Step 5:** When the "Please insert cartridge 1 of 3" is shown on the screen, open the first pouch and insert a Fibrinogen Calibration cartridge in the cartridge slot. The instrument automatically starts the calibration with heating the cartridge.

**Step 6:** Gently swirl the bottle with calibrator fluid to obtain a uniform mixture. When the message "Add sample and wait" is displayed on the screen, use the pipette with the supplied pipette tip to add 100 µL of calibrator fluid to the sample well. Avoid bubbles. Discard pipette tip after use.

**Step 7:** Part one of the calibration takes 12 minutes. When part one is finished you will be asked to remove the cartridge. Discard the cartridge.

**Step 8:** When the "Please insert cartridge 2 of 3" is shown on the screen, open the second pouch and insert the new Fibrinogen Calibration cartridge in the cartridge slot. The instrument automatically starts the calibration with heating the cartridge.

**Step 9:** Fix the new pipette tip from the pouch to the pipette. When the message "Add sample and wait" is displayed on the screen, use the pipette to add 100 µL of calibrator fluid to the sample well. Avoid bubbles. Discard pipette tip after use.

**Step 10:** Part two of the calibration takes 12 minutes. When part two is finished, you will be asked to remove the cartridge. Discard the cartridge.

**Step 11:** When the "Please insert cartridge 3 of 3" is shown on the screen, open the third pouch and insert the new Fibrinogen Calibration cartridge in the cartridge slot. The instrument automatically starts the calibration with heating the cartridge.

**Step 12:** Fix the new pipette tip from the pouch to the pipette. When the message "Add sample and wait" is displayed on the screen, use the pipette with the supplied pipette tip to add 100 µL of calibrator fluid to the sample well. Avoid bubbles. Discard pipette tip after use.

**Step 13:** Part three of the calibration takes 12 minutes. When part three is finished, the screen will display that the calibration has been successfully completed and you will be asked to remove the cartridge. Discard the cartridge.

**Step 14:** If the calibration has been successfully completed, the instrument is now ready to perform a VetScan *VSpro* Fibrinogen test. If the calibration failed, please contact Abaxis Technical Support at 800-822-2947.

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