In-service Training for PT/INR Testing
Xprecia Stride Coagulation Analyzer

Product availability may vary from country to country and is subject to varying regulatory requirements.
Why Use Xprecia Stride Analyzer for Point-of-care PT/INR Testing?

The Xprecia Stride® Coagulation Analyzer is for monitoring patient on warfarin therapy delivers quick results that can be acted upon during the patient visit.

A systematic point-of-care approach to anticoagulation management can increase the time patients are in therapeutic range and reduce the risk of adverse events.¹

• Adopting POC PT/INR monitoring has been shown to lower costs for managing patients on oral warfarin therapy, increase overall revenue, and improve patient satisfaction.¹

In-service Training Topics

- Analyzer overview
- Setting up the analyzer
- PT/INR test overview
- Performing testing:
  - System calibration
  - Quality control (QC) testing
  - Patient testing
- Performing maintenance
- Supplemental information:
  - Ordering information
  - References
Xprecia Stride Analyzer: What Is Inside the Box?

- Xprecia Stride analyzer
- (4) test strip port protective color caps
- (3) AA batteries
- USB cable
- User Guide
- Documentation CD
- Data Management Software (DMS)
Xprecia Stride Analyzer Overview

- Test strip ejection button
- Color touchscreen; step-by-step instructions
- On/Off button
- Test strip entry port
- USB cable; bidirectional interface to PC data manager
- Integrated bar code for test strip and control lot information, patient ID, and operator ID
Setting Up the Analyzer

1. Insert batteries.
2. Turn on the analyzer.
Setting Up the Analyzer

Follow the on-screen setup screens and use the (-) and (+) to scroll through the options.

1. Select date format.
2. Set the date.
3. Select time format.
4. Set the time.
5. Select the battery source.
6. Select rechargeable or disposable.

NOTE

Press ⌃ to make selections and return to Home screen.
Setting Up System to Scan Patient ID

1. Tap 🕒.
2. Tap 📜.
3. Tap 📜.
4. Tap Patient Test to allow Patient ID (PID) scanning for patient tests.
5. Tap STAT Test to allow an operator to skip Patient ID (PID) scanning for patient tests.
6. Tap to choose the Entry Type:
   - 📊 for barcode reader
   - ☰ for keypad
7. Tap Minimum.

8. Tap 📊 or ☰ to enter the minimum number of characters for the PID.
10. Tap 📊 or ☰ to enter the maximum number of characters for the PID.
11. To accept your changes and return to the previous screen, tap 🔄.

Repeat step 11 twice and press Home key.
Setting Up System to Scan Operator ID

1. Tap \[\text{Settings}\].
2. Tap \[\text{Lockout}\].
3. Tap \[\text{Enable}\].
4. Tap \[\text{Lockout}\] to require a password to use the device.
5. Tap \[\text{Validate}\] to compare the password against a list of valid passwords stored on Stride.
6. Tap \[\text{Entry Type}\]:
   - \[\text{Barcode Reader}\]
   - \[\text{Keypad}\]
7. Tap \[\text{Minimum}\].
8. Tap \[\text{or } \text{ to enter the minimum number of characters for the login.}\]
9. Tap \[\text{Maximum}\].
10. Tap \[\text{or } \text{ to enter the maximum number of characters for the login.}\]
11. To accept your changes and return to the previous screen, tap \[\text{Back}\].

Repeat step 11 twice and press Home key.
Setting Up System to Add Operators

INSTRUCTIONS

1. Tap 

2. Tap 

3. Tap 

4. Scan or enter the OID.

5. Tap ✅ to confirm or ❎ to cancel.

6. To accept your changes and return to the previous screen, tap 🔄.

Repeat step 6 twice and press Home key.
PT/INR Test Overview

Supplied by Siemens Healthineers

Analyzer/Tests

- Alcohol wipes
- Cotton balls or tissue
- Single-use lancing device

Consumables and Accessories

- PT/INR control kit
- Test strip port color caps
- USB cable
- Documentation CD
- DMS software CD
- Battery cover
- Xprecia Stride carrying case

Recommended Supplies

- Xprecia Stride analyzer
- Xprecia Stride PT/INR test kit

Not Supplied

- Xprecia Stride analyzer
- Xprecia Stride PT/INR test kit
Xprecia Stride PT/INR Test Kit Content and Storage Conditions

- Store the test strips as packaged and use by the expiration date printed on the test strip vial.
- PT/INR test strip vials can be stored at room temperature.
- Unopened storage: 5–30°C (41–86°F) at up to 75% RH. Use before the 24-month lot expiration date.
- Opened storage: 5–30°C (41–86°F) at up to 75% RH. Use within 2 months after first opening vial.

- PT/INR strips contain Dade® Innovin® reagents, which are a combination of:
  - Purified recombinant human tissue factors
  - Synthetic phospholipids
  - Calcium chloride
  - Stabilizers
- Test strips contain electrodes, reagents, and connection logic to carry out tests.

4 vials of 25 strips each 100 test strips per kit
How the Xprecia Stride Analyzer Works to Measure PT/INR

- Insert contact end into analyzer test strip port.
- Apply fingerstick sample to test strip target area.
- Analyzer automatically draws sample by capillary action into the reaction chamber of the test strip.
- Blood mixes with reagents and activates the coagulation cascade.
- Analyzer measures current and voltage between the two electrode contact ends and senses when blood clots.
- Once clotting occurs, PT/INR results are displayed.
Xprecia Stride Analyzer: System Calibration Is Automatic and Does Not Require User Intervention

**Automatic self-tests occur when analyzer is turned on:**
- Electronics integrity checks for heater/thermistor and strip port hardware
- Signal checks
- Software checks
- Memory integrity checks
- Sufficient battery voltage

**NOTE**
Failure to pass any of these “Power On” tests will prevent further operation of the analyzer.

**Automatic checks occur every time a test strip is added for testing:**
- Verification checks to deem system operational
- Monitoring for the presence of a test strip
- Connecting the test strip electrodes to acquire test data
- Conducting test strip integrity checks

**Once all checks are completed, the analyzer:**
- Reads test strip bar code and retrieves batch calibration information
- Reads QC vial bar code and retrieves batch calibration information
- Records the expiration date for test strips and control materials and prevents testing, if expired
- Confirms that test strip and QC materials are compatible
Importance of Quality Control Testing

Liquid Quality Control is a reconstituted solution of lyophilized plasma-based material and diluent solution of a known concentration that is used to verify system performance. Quality control testing is important for testing analyzer, reagent, and operator performance.
# Xprecia Stride PT Control Kit Contents and Storage Conditions

## REAGENTS

<table>
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<tr>
<th>REAGENT</th>
<th>DESCRIPTION</th>
<th>STORAGE °C</th>
<th>STORAGE °F</th>
<th>STABILITY AFTER RECONSTITUTION</th>
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<tr>
<td><strong>PT CONTROL 1</strong></td>
<td>Lyophilized preparation of human plasma buffers and stabilizers (approx 12.0 g/L)</td>
<td>2–8</td>
<td>35.6–46.4</td>
<td>15–25</td>
</tr>
<tr>
<td><strong>PT CONTROL 2</strong></td>
<td>Lyophilized preparation of human plasma buffers and stabilizers (approx 12.0 g/L)</td>
<td>2–8</td>
<td>35.6–46.4</td>
<td>15–25</td>
</tr>
<tr>
<td><strong>CaCl₂ Diluent</strong></td>
<td>CaCl₂ solution [0.010 mol/L] Preservative: EC No. 47-500-7 5-cloro-2-methyl-4-isothiazolin-3-one Preservative: EC No. 220-239-6 2-methyl-4-isothiazolin-3-one 3:1 [0.00015%]</td>
<td>2–8</td>
<td>35.6–46.4</td>
<td></td>
</tr>
</tbody>
</table>

- 4 vials of PT Control 1
- 4 vials of PT Control 2
- 8 plastic transfer pipettes
- 8 vials of CaCl₂ Diluent

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Quality Control Testing Recommendations

- QC must be performed at the start of each shift and with every new lot and new shipment, or as required by local, state, and federal or national regulations.
- Control materials are lyophilized and must be reconstituted prior to use.
- Each vial is single-use and not for multiple uses.
How to Prepare Xprecia Stride PT Controls

1. Use a transfer pipette to add the entire volume of one (CaCl$_2$) diluent vial into Control 1 vial.
2. Place the cap on the Control 1 vial and carefully mix by swirling the bottle using a circular motion.
3. Be sure to completely dissolve all of the control plasma inside.
4. Don't shake in order to avoid foam formation.
5. Let sit for at least 5 minutes at 15–25°C (59–77°F).
6. Gently swirl the bottle again prior to use.

**TIP**
Retain the transfer pipette for use during the application of the control solution to a test strip.

To prepare PT Control 2, repeat steps 1 to 6.
How to Properly Hold the Xprecia Stride Analyzer for Testing

Place on a flat surface

Hold within a 45 degree up or down angle

Hold level in hand (right or left hand)

Do NOT hold the Xprecia Stride analyzer at extreme angles when running patient or QC tests.
How to Perform a Quality Control Test

1. Scan control solution bottle.
2. Scan strip.
3. Insert strip.
4. Scan strip vial (optional).
How to Perform a Quality Control Test (cont’d)

5  Gather controls.

6  Hold level.

7  Apply control sample.

8  Test in progress.

9  View result.
How to Perform a Quality Control Test (cont’d)

• Clean and disinfect after every test.
• SANI-CLOTH PLUS germicidal wipes are recommended to clean the Xprecia Stride analyzer.

NOTE

Clorox Healthcare Bleach Germicidal Wipes or CAVIWIPES Germicidal Wipes cannot be used to clean the Xprecia Stride analyzer.
Xprecia Stride Analyzer Home Screen Review

- Battery Status
- Date and Time
- Patient Testing
- Settings
- Current Screen
- Recall Results
- Quality Control Testing
How to Operate the Bar-code Scanner

1. Hold the analyzer 4 inches from the bar code.

2. Aim the bar-code reader at the item you want to scan (test strip vial, test strip, or QC vial).

3. Tap **SCAN**.

**TIP**

An audible tone sounds, a check mark displays, and the screen changes when the bar code is accepted.
How to Obtain a Patient Sample

• Follow your facility’s standard procedure to prepare patient for collecting a blood sample.

• Only use fresh whole blood from a fingerstick source with test strips.

• Within 15 seconds of sticking the fingertip, apply the drop of blood to the test strip target area.

• Use an appropriately sized lancet to obtain the required 6 µL whole-blood sample.

NOTE

Always wear protective gloves and follow your facility’s policies and procedures when performing tests involving biological samples and control solutions.
How to Perform a Patient Test

1. Scan Patient ID (optional).
2. Scan strip.
3. Insert strip.
4. Scan strip vial (optional).
How to Perform a Patient Test (cont’d)

5 Prepare sample.
6 Hold level.
7 Apply sample.
8 Test in progress.
9 View result.
How to Perform a Patient Test (cont’d)

- Clean and disinfect after every test.
- SANI-CLOTH PLUS germicidal wipes are recommended to clean the Xprecia Stride analyzer.

NOTE

Clorox Healthcare Bleach Germicidal Wipes or CAVIWIPES Germicidal Wipes cannot be used to clean the Xprecia Stride analyzer.
How to Perform Routine Maintenance

• The Xprecia Stride analyzer does not require any special maintenance.

• The analyzer’s entire exterior must be cleaned and disinfected (including the touchscreen and test strip port protective cap) after every test.

Cleaning recommendations:

• Siemens Healthineers recommends SANI-CLOTH PLUS germicidal wipes (EPA registration 9480-6) for cleaning the Xprecia Stride analyzer.

• Always follow your local decontamination policies and procedures, which may differ.

TIP

Contact your local purchasing agent for more on how to buy SANI-CLOTH PLUS germicidal wipes.

For a list of recommended active ingredients, refer to the user manual.
Xprecia® Data Management Software (DMS)

Included at **no additional cost** with the purchase of the Xprecia Stride analyzer

CD included in **every** analyzer kit

Navigate through **clean, simple interfaces** to easily transfer results
Xprecia Data Management Software (DMS)

Connect Xprecia Stride analyzer to a computer via USB and transfer:

- Patient test results
- LQC results
- Analyzer fault logs/error messages

And when Xprecia Stride analyzer connects to the DMS, it receives:

- Operator ID list
- Analyzer and operator settings
- Analyzer software (firmware) upgrades
How to Leverage the DMS Program

• A computer running DMS is necessary to configure and upload results from the Xprecia Stride analyzer.

• To install DMS and start uploading data, insert the DMS installation media into your computer and follow the installation instructions when prompted.

• Upon installation, plug the USB cable from your computer into the Xprecia Stride analyzer and use DMS to export the test results.

IMPORTANT

You can’t conduct tests when connected to DMS.

For complete information on DMS installation and usage information, refer to the DMS online help.
Quality Control Reports Can Be Printed from DMS Software—No Manual Log Sheets Necessary

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<th>Accession No.</th>
<th>Lot Number</th>
<th>Expiration Date</th>
<th>Level No.</th>
<th>Min. Value</th>
<th>Max. Value</th>
<th>Test Strip</th>
<th>Results</th>
<th>INR</th>
<th>Pass/Fail</th>
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Xprecia Stride Analyzer Connectivity Options

- Install Xprecia Stride Data Management System (DMS)
- USB Connection
- PC
- Relaymed
- EMR
- POCcelerator™ or UniPOC™ Software
- LIS/HIS
- Alternative Options
- Other Data-management Solutions

Alternative Options:
- Relaymed
- EMR
- POCcelerator™ or UniPOC™ Software
- LIS/HIS
- Other Data-management Solutions
Flexible Data Reports and Workflow
Deliver Comprehensive Patient Reporting

Key Benefits:

- Customized views are provided for patient and QC tests.
- User-specific preferences are saved and retained for subsequent logins.
- Date/time stamp, operator ID, and test strip lot information are recorded for each patient/QC test.
Flexible Data Reports and Workflow: Quickly Review and Report on Quality Control Status
Flexible Data Reports and Workflow: Change Information Display Screens

Manage Operators

Modify Settings
Customer Training Touchpoints

**PEP Connect:**

PEP Connect provides training modules that are interactive and short quizzes at the end of the training.

**Step 1:** Click following link:  
https://usa.healthcare.siemens.com/education/pep

**Step 2:** Select “Explore PEP Connect” option.

**Step 3:** Register to create account for free-of-charge access to training content.

**Step 4:** Once registered, type “Xprecia Stride” in the search box.

**Step 5:** Select the training module to complete.

**POCkit™ Training Videos:**

POCkit is a web-based tool that allows users to watch a short video on how to perform a PT/INR test and a quality control test on the Xprecia Stride Analyzer. POCkit can be used on a PC or mobile platform.

**Step 1:** Click following link:  
http://www.siemenspockit.com/en/home

**Step 2:** Scroll down to the Xprecia Stride section.

**Step 3:** Select the training video to watch.

Note: This landing page can be saved to our mobile device screen for easy access.
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