Hopi Health Care Center
Polacca, AZ
Waived Testing Policy and Procedure

Subject: Abbott Medisense Precision *Xceed Pro* Whole Blood Monitor		
Original Effective Date: **05/04**	**Latest Revision:** **01/2013**	**Due for Review:** **Annually**
Revised by: Donovan Berry, SMT		
Distribution: ED/UC, OPD, IPU, OB, Med Staff		
The last date of adopted, reviewed, or revised supersedes all previous versions.		

INTRODUCTION:

The Abbott Medisense Precision Xceed *Pro* Point of Care System for blood glucose testing is intended for in *vitro* diagnostic use for the quantitative measurement of glucose in fresh capillary whole blood, venous, arterial or neonatal whole blood glucose at the point of care.

Test results that are used to assess a patient's condition or a make a clinical decision about a patient are governed by the federal regulations known as the Clinical Laboratory Improvement Amendments of 1988 (CLIA'88). Only testing performed by staff on patients is regulated by CLIA '88.

- Staff performing the test should follow good laboratory practices.
- Errors could cause inaccurate results that could lead to inaccurate diagnoses, inappropriate or unnecessary medical treatment, and poor patient outcomes.
- Joint Commission standards address the processes and activities related to waived testing that must be complied with by all personnel performing testing.

The Precision *Xceed Pro* System simplifies point—of—care testing for healthcare professionals, providing features that enhance the reliability of testing process and that support compliance with point-of-care policies.

PRINCIPLE:

The test strip uses biosensor technology by employing a disposable test strip. The target area of the test strips is coated with enzymes that react in the presence of glucose to make a small electric current which passes through the strip to the contact bars and the monitor, which calculates a glucose result.

The target area may be filled by applying a drop of sample to the top of the test strip. The fill trigger electrode ensures that the test will only start once sufficient blood has been applied. Together, these features minimize the possibility of errant results due to sample application technique.

POLICY:

1 Precision PXP meter operators must have specific training and orientation and demonstrate satisfactory levels of competence as described in the HHCC Waived Testing Policy and Procedure. Manufacturer's instructions must be followed.

The HHCC Director of Nursing or designee(s) and the Clinical Laboratory Supervisor (or designee) is responsible for the direction and supervision of all testing activities, certification, quality control, documentation and quality assurance as required by JCAHO, and other regulatory agencies

GENERAL INFORMATION

Supplies and Equipment:

1. Abbott Medisense Precision *Xceed Pro* Meter
2. Precision PCx Plus Test Strips
3. MediSense Glucose Control Solutions (Lo and Hi)
4. Hospital approved lancet devices
5. Disposable gloves and sharps container
6. Alcohol wipes

Storage and Handling:

1. Precision PCx Plus Blood Glucose Test Strips are sealed in individual foil packets. Store the test strips at room temperature between 4°C and 30°C. When stored properly, the unopened test strips remain stable until the expiration date printed on the barcode label.
   a. Use the test strip promptly after opening the foil packet.
   b. Do not use test strips after expiration date.
   c. Do not handle the test strip with wet or dirty hands.
   d. Do not use test strips that are wet, bent, scratched or damaged.
   e. Do not reuse test strips.
   f. Keep out of direct sunlight.
   g. Do not scan a packet's barcode and use a test strip from another packet. This may cause incorrect assay results to be generated.

2. MediSense Glucose Control Solutions should be stored between 4°C and 30°C.
   a. They are stable for **90 days** after opening.
   b. When you open a new bottle, write the date of opening on the bottle label.
   c. Always replace cap tightly.
   d. Always replace cap tightly.
   e. Discard all unused solutions 90 days after opening. **DO NOT use expired controls.**
   f. If control solutions have been refrigerated, allow them to reach room temperature before performing control testing.

SPECIMEN REQUIREMENTS:

The Precision Xceed Pro System is designed for use with fresh whole blood. The capillary blood sample (i.e., from a finger stick) must be tested immediately.

1. Make sure the puncture site is clean and dry before obtaining a blood sample.
2. Avoid excessive squeezing of the puncture site.

Venous or arterial blood may be used for testing, provided the sample is used within 30 minutes of collection. Use VENOUS MODE only for venous samples that have been capped tubes and have not been mixed with air.

1. Sodium heparin, lithium heparin or EDTA must be used as an anticoagulant.
   a. Blood must be filled to the stated volume. Do not under fill.
   b. Do not use collection tubes that contain fluoride or oxalate because they may interfere with the test.
2. Use CAPILLARY or ARTERIAL MODE for all other samples.

INFECTION CONTROL:

All users must follow standard precautions procedures for bloodborne pathogens which include the following:

1. Wear gloves and other appropriate PPE's
2. Use a new lancet tip with each patient being tested.
3. Properly dispose of all sharps and biohazardous waste into appropriately labeled containers.

USING THE MONITOR

1. **Barcode Scanner:** The barcode scanner enables you to scan the information into the monitor instead of manually entering the data using the keypad. Scanning the barcode on the test strip foil packet automatically enters the test strip information (calibration, control range, lot number and expiration date).

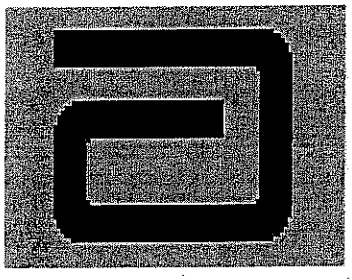
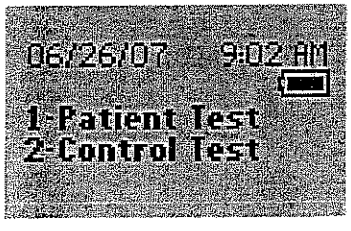
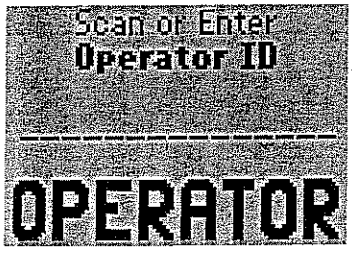
   To scan, hold the monitor 3-12 inches from the barcode at a 30 to 135 degree angle to the barcode, and press the scan button until a visible red beam is emitted by the monitor. The monitor will beep in acknowledgement when it accepts the barcode.
2. **Data Entry Keypad:** The keypad allows you to enter ID numbers and letters or to select an option that appears on the display.
3. **On-Off Button:** Press this button to turn the monitor on. Press and hold this button for two seconds to turn the monitor off. The monitor will automatically shut itself off after 4 minutes to conserve battery life.
4. **Enter:** Press the Enter button after entering all needed information.
5. **Data Port:** Located at the bottom of the monitor, this port enables the monitor automatically transfer the data through the docking station to the data management system.
6. **Battery Compartment:** The monitor holds two AA batteries to power the monitor. To prolong the battery life of the monitor, the monitor should be turned off when not in use. Data is not affected if batteries are removed.
7. **Port Protector:** Covers the test strip port and is designed to minimize the possibility of liquid entering the monitor through the strip port. Should blood or control solution come in contact with the port protector, the monitor should be cleaned and dried and the port protector replaced.
8. **Menu Tree:** When using the PXP, you will navigate between two main menus, **Test Mode** and **Menu Mode**.
   - Test Mode is used to perform patient tests and control tests.
   - Menu Mode is used for data review.

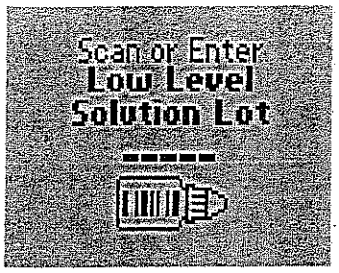
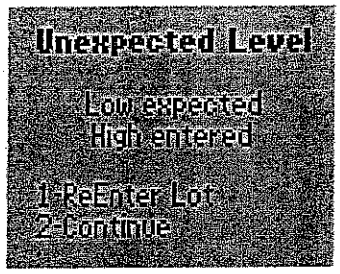
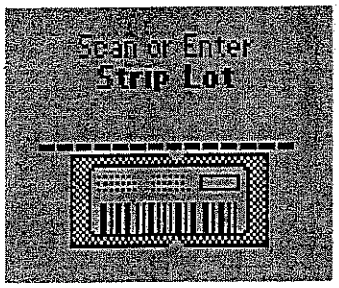
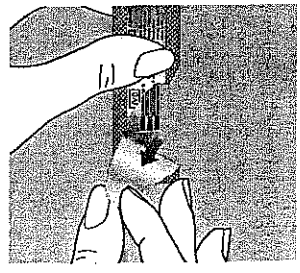
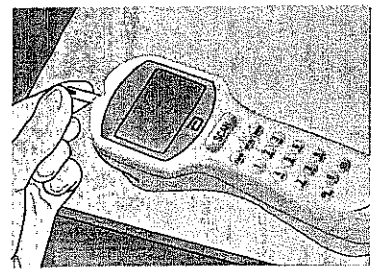
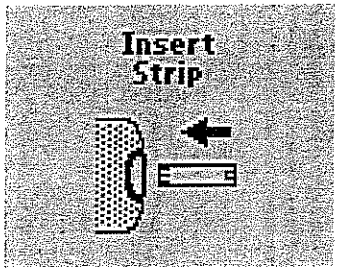
CALIBRATION:

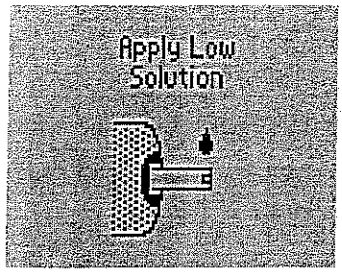
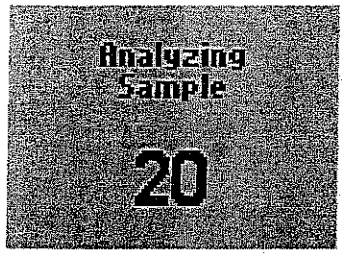
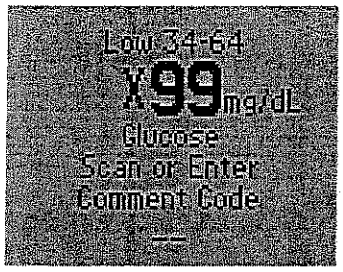
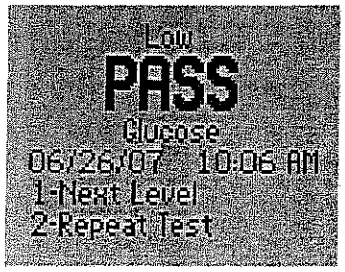
Scanning the barcode label on each test strip foil packet prior to use automatically calibrates the monitor and checks the expiration date, helping ensure reliable and accurate test results.

QUALITY CONTROL/QUALITY ASSURANCE:

1. Each meter is programmed to lock out users who have not performed QC within the specified frequency or when users do not obtain QC results within the acceptable range.
2. For instrument-based waived testing, the Joint Commission requires that quality control checks be performed each day on each instrument used for patient testing.
3. Quality control checks require two levels of control be run every 24 hours.
4. Quality control checks are not required on individual instruments on days when they are not used for patient testing.
5. Each time a new lot of test strips are opened, quality control (2 levels) must be run.
6. Quality control (2 levels) must be repeated when the test results contradict the clinical symptoms.

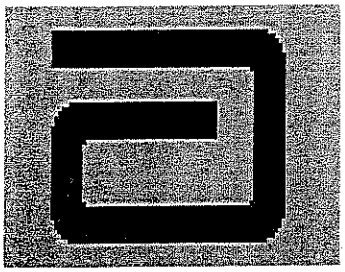
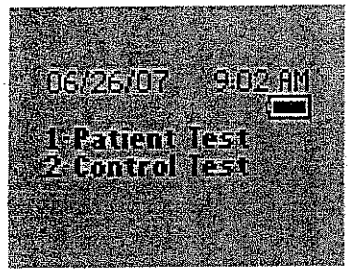
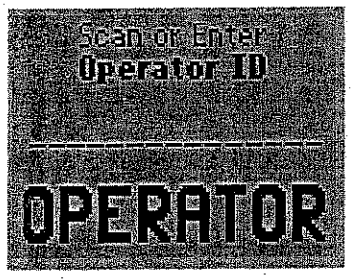
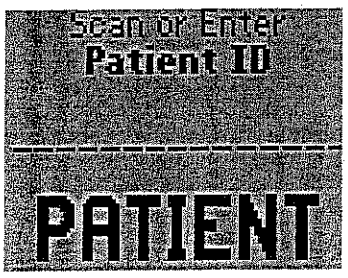
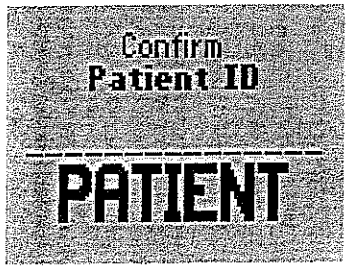
What You See on the Display	*What You Do*	*Comments*
	**1.** Press **On/Off** to turn on the monitor.	The Abbott logo screen will appear in black for a few seconds and then will appear in gray to ensure that the display is functioning properly. Next, the software version and then the **Test Mode** menu screens will appear.
	**2.** Press **2** to select **Control Test.**	The monitor starts in **Test Mode.** The Menu button will toggle the monitor to **Menu Mode.**
	**3.** Press **Scan** to scan the Operator ID barcode or manually enter the Operator ID via the keypad, then press **Enter.**	While the Operator ID may be up to 30 digits, not all digits will fit on the display. The monitor may also be set to truncate (ignore) leading, trailing, and/or selected digits of the barcode.

What You See on the Display	What You Do	Comments
	**4.** Scan or manually enter the low control solution lot number via the keypad, then press **Enter.**	You can scan or manually enter the information from the control solution's barcode. For manual entry, key in the five numeric digits of the lot number printed on the control solution bottle. You do not need to enter the alpha character that appears at the end of the five-digit number. The **Strip Lot** screen will appear next.
	If the **Unexpected Level** screen appears, you may either: 1. Enter **1** to **ReEnter** the expected level. 2. Enter **2** to **Continue.**	The monitor is programmed to expect Low, Mid, and High Glucose controls in this order. A warning message will appear if the controls are used in a different order, however you may still proceed with the test.
	**5.** Press **Scan** to scan the test strip barcode or manually enter the test strip lot number via the keypad, then press **Enter.**	Scanning the barcode identifies the strip type, calibrates the monitor, ensures the expiry date has not passed, records the strip lot used, and checks that the lot has been approved for use by your institution.
	Note: *Place monitor on a flat surface while running control tests.*	
	6. Open the foil test strip packet at the notch and tear down to remove the test strip.	With clean, dry hands, you may gently touch the test strip anywhere when removing it from the foil to insert it into the monitor.
		
	**7.** With the contact bars facing up, insert the test strip into the test strip port until it stops and **Strip Inserted** is displayed.	Prior to inserting the test strip, ensure that the port protector is installed and that it is clean and dry. Replace if necessary.

What You See on the Display	What You Do	Comments
	**8.** Gently invert the required control solution bottle 3-4 times. Remove the cap of the control solution bottle and wipe the nozzle with a clean gauze or tissue. Apply a small drop of solution to the test strip target area, allowing the target area to fill completely. Wipe the nozzle of the control solution bottle before replacing the cap.	When sufficient sample has been applied, the monitor beeps, displays **Sample Accepted** and automatically starts the test. For a detailed description of the test strip target area, refer to the Test Strips section of Chapter 1.
	**9.** Wait for the monitor to analyze the sample and display the test result.	The monitor counts down then displays the test result. If an error is detected during the assay, the assay is terminated and no result is displayed. Once the assay begins, all key presses are ignored until the assay is completed.
 5.5 mmol/L	**10.** Note the test result and whether it falls within the acceptable range. If required, scan or manually enter the comment code, and press **Enter.** The monitor may be enabled to scan or enter a 1- to 2-digit comment code. If there is no prompt to enter a comment code, skip down to step 11.	Control test results can appear as numeric or PASS/FAIL, depending on how the test is set up. If numeric, an "X" will appear in front of a test result that is Out-of-Range.
	**11.** You may select one of the following: Press **1 – Next Level.** Press **2 – Repeat Test.** Press **Menu** to return to the **Menu Mode** menu. Press **On/Off** to turn off the monitor. Remove the test strip from the monitor and discard it when finished testing. Follow your facility's biohazard disposal policy.	If **1** is selected, the **Next Level** test will appear. Perform the next level control test by returning to Step 4. If **2** is selected, the **Scan or Enter Strip Lot** screen will appear. Return to step 5 to repeat the test.

Note: *Following a complete set of Glucose controls, 1-Next Level becomes 1-Exit.*

PATIENT TEST PROCEDURE

What You See on the Display	What You Do	Comments
	1. Press **On/Off** to turn on the monitor.	The Abbott logo screen will appear in black for a few seconds and then will appear in gray to ensure that the display is functioning properly. Next, the software version and then the **Test Mode** menu screens will appear.
	2. Press **1** to select **Patient Test.**	The monitor starts in **Test Mode.** The Menu button will toggle the monitor to **Menu Mode.**
	3. Press **Scan** to scan the Operator ID barcode or manually enter the Operator ID via the keypad, then press **Enter.**	While the Operator ID may be up to 30 digits, not all digits will fit on the display. The monitor may also be set to truncate (ignore) leading, trailing, and/or selected digits of the barcode.
	4. Press **Scan** to scan the Patient ID barcode or manually enter the Patient ID via the keypad (if enabled).	If you enter the ID manually, you may be required to enter it a second time to ensure it is correct. While the Patient ID may be up to 30 digits, not all digits will fit on the display. The monitor may also be set to truncate (ignore) selected digits of the barcode.
	5. Confirm the Patient ID (if prompted). You may see one of the following four screens: Re-enter the ID using the keypad.	

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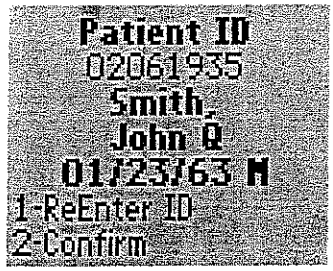
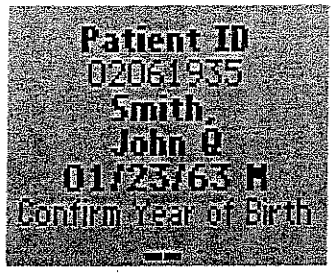
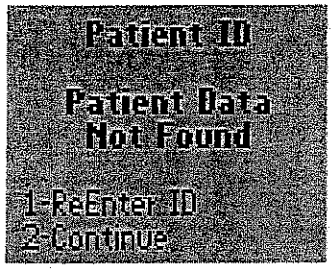
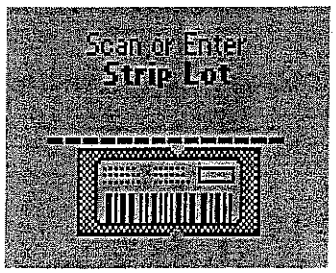
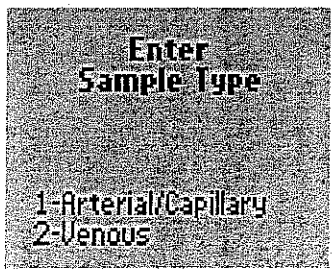
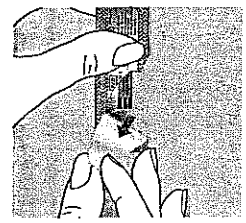
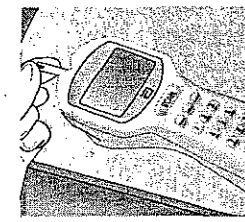
	Press **2** to **Confirm** the information and continue testing or **1** to **ReEnter** the ID.	
	Enter the year of birth (e.g. 63) and press **Enter**.	Press **Clear** to re-enter the ID. If numbers have been entered, the Clear key will erase those first. Multiple presses of the Clear key may be required to return to the Patient ID entry screen in step 4.
	Press **2** to **Continue** testing or **1** to **ReEnter** the ID.	
	**6.** Press **Scan** to scan the test strip barcode or manually enter the test strip lot number via the keypad , then press **Enter**.	Scanning the barcode identifies the strip type, calibrates the monitor, ensures the expiry date has not passed, records the strip lot used, and checks that the lot has been approved for use by your institution.
	**7.** When using Precision PCx Plus strips, the Sample Type screen may appear. You can select one of the following: Press **1 - Arterial/Capillary** or Press **2 - Venous**	Use VENOUS MODE only for venous samples that have been in capped tubes and that have not been mixed with air. Use Arterial/Capillary mode for all other samples. If the sample type screen is not seen, continue with step 8.
	8. Open the foil test strip packet at the notch and tear down to remove the test strip.	With clean, dry hands, you may gently touch the test strip anywhere when removing it from the foil to insert it into the monitor.





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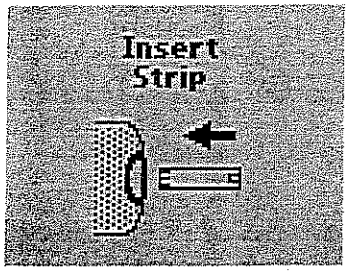
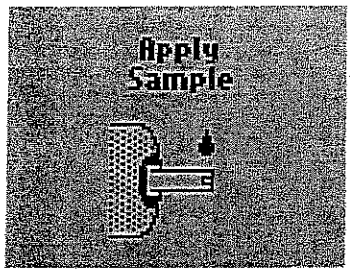
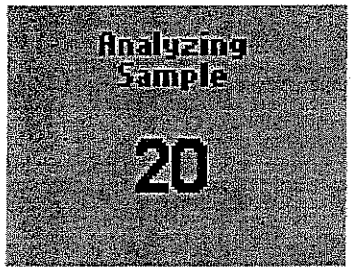
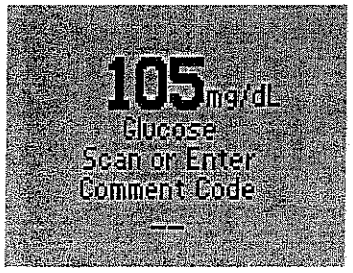
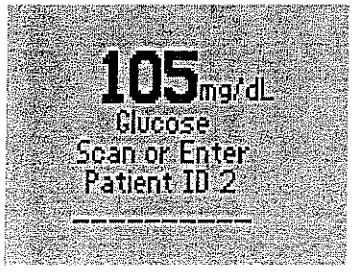
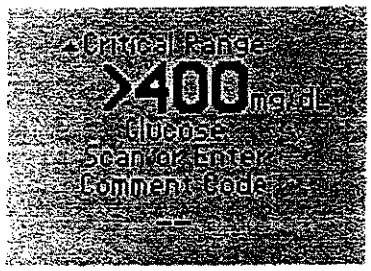
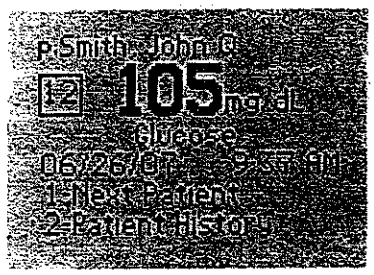
	**9.** With the contact bars facing up, insert the test strip into the test strip port until it stops and **Strip Inserted** is displayed.	Prior to inserting the test strip, ensure that the port protector is installed and that it is clean and dry. Replace if necessary.
	**10.** Apply a drop of blood from the patient's finger, transfer pipette or syringe to the target area of the test strip.	When sufficient sample has been applied, the monitor beeps, displays **Sample Accepted** and automatically starts the test. For a detailed description of the test strip target area, refer to the Test Strips section of Chapter 1.
	**11.** Wait for the monitor to analyze the sample and display the test result.	The monitor counts down then displays the test result. If an error is detected during the assay, the assay is terminated and no result is displayed. Once the assay begins, all key presses are ignored until the assay is completed.
 5.8 mmol/L	**12.** If required, scan or manually enter the comment code, and press **Enter.**	The monitor may be enabled to scan or enter a 1- to 2-digit comment code. If there is no prompt to enter a comment code, skip down to Step 13.
 5.8 mmol/L	If prompted, scan or manually enter the free text information and press **Enter.**	The monitor may be enabled to scan or enter the free text information. If there is no prompt to enter free text, skip down to step 13. Up to two free text fields may appear.

What You See on the Display	What You Do	Comments
 11.5 mmol/L Above Action Range	For out-of-range results, refer to your institution's policy.	The **Action Range** screen will appear if the Patient Test Out-of-Range Comment Code is enabled and the following two conditions are met: A. The action range is enabled. B. The test result is out of the action range.
 >22.2 mmol/L Above Critical Range	For out-of-range results, refer to your institution's policy.	Your institution may narrow the reportable range for results. This is called the **Critical Range.** The monitor will not report results outside of this range.
 5.8 mmol/L	**13.** You can select one of the following options: Press 1 — **Next Patient.** Press 2 — **Patient History.** Press **Menu** to return to the **Menu Mode menu.** **Press On/Off** to turn off the monitor. Remove the test strip from the monitor and discard it when finished testing. Follow your facility's biohazard disposal policy.	The display shows: **Patient ID or Name (p:** prompt) **Comment Code** (Number in box) **Date and Time of test** **Test Type** (Glucose) If 1 is selected, the **Scan Patient ID** screen will appear. Return to step 4 to continue with testing on the next patient. If **2** is selected, the monitor will display the last test result for this patient as well as allow you to view previous results. Refer to the section entitled Data Review for Patient by Patient ID in Chapter 5 for further information.

If the results are less than 60 mg/dL or greater than 300 mg/dL, the operator must request blood glucose to be analyzed by the laboratory.

When documenting results in the paper chart or EHR do so by writing or entering the result and include the reporting units (i.e. mg/dL). The test result must be documented along with the initials of the personnel performing the test and date the test was performed. A functional audit trail must be maintained that allows result retrieval.

1. Results are to be recorded on the test log.
2. Document date test was performed, sign or symptom, provider, and two identifiers.
3. The initials of point of care testing personnel performing patient testing must be documented on log.
4. Results must be entered into EHR.

NORMAL/EXPECTED VALUES AND RESULTS

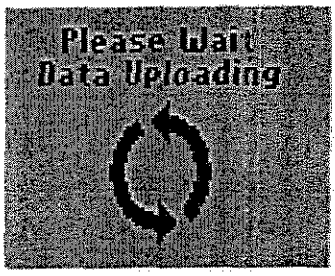
1. Fasting blood glucose levels should range from 70 — 110 mg/dL for adults.
2. Iithe patient results exceed the critical levels of <60 or >300 mg/dL, the test should first be repeated. The results should also be verified by the laboratory by ordering either a Comprehensive Metabolic Profile or Basic Metabolic Profile.

DATA UPLOAD

DATA UPLOAD MUST BE DONE WEEKLY

Once the test results have been collected during a prescribed period of time, they can be uploaded into the data management system. The data management system provides a simple and automated way to collect report and transfer data.

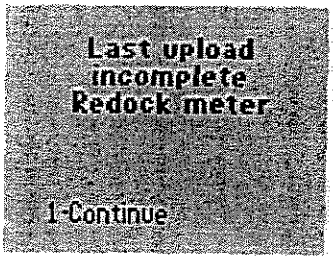
To start the upload of data, simply place the Precision Xceed Pro Monitor into the docking station. The monitor will first turn on if it isn't already, and then automatically upload data to the data *management system. After upload is* complete, *the monitor* will display **Upload Successful, Turning Off and** then shut down.



During communications, this screen appears and the arrows rotate to indicate that the system is working. The arrows may occasionally pause. During data upload, the monitor cannot be used for testing.

Note: If the monitor is removed before data transmission is complete, some data may not be upload. The data will be uploaded as part of the next data transmission

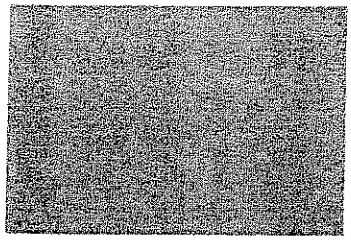
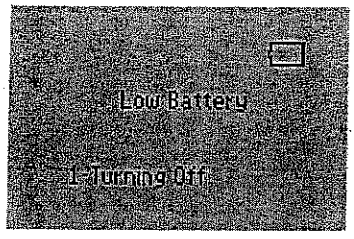
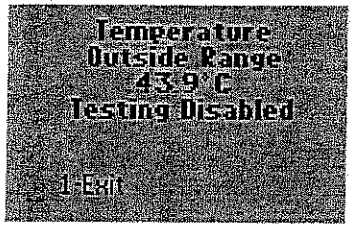
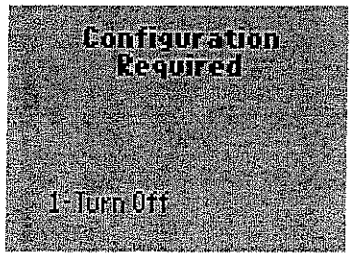
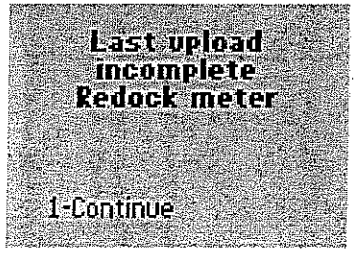
If a problem occurs with the data upload, an error message may appear on the monitor. If the monitor is removed from the docking station while an upload is in process, the monitor will display Last upload incomplete, **Redock meter, Turning** Off. The monitor will then shut down.



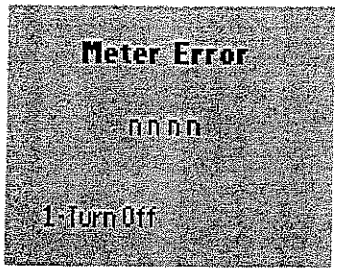
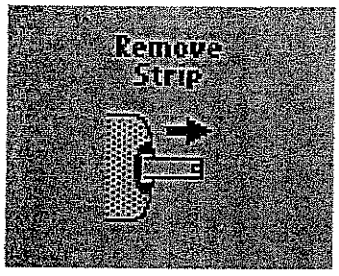
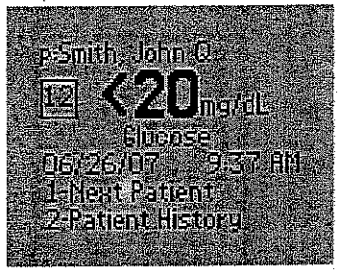
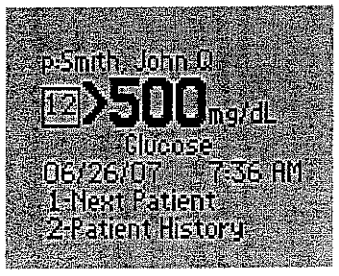
After a data upload error has occurred, the monitor will display a warning *each* time it is turned on. The monitor may still be used for testing by pressing 1 to **Continue.** Once the monitor has successfully been docked, the warning will disappear.

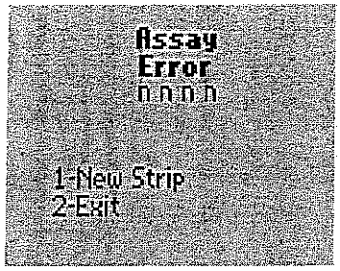
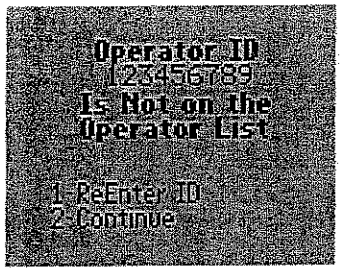
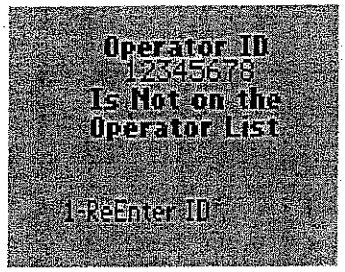
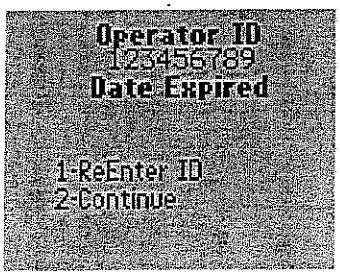
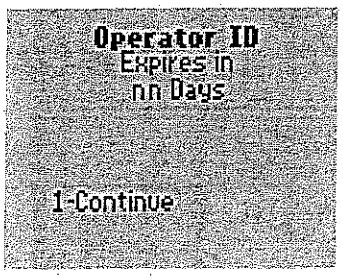
ERROR MESSAGES

When You Turn on the Monitor, or During Use:

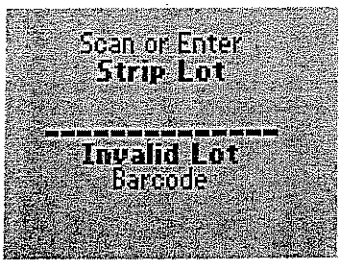
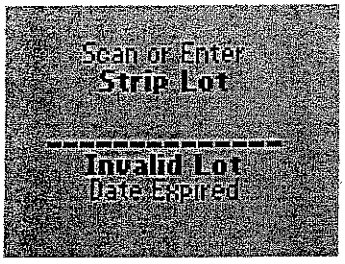
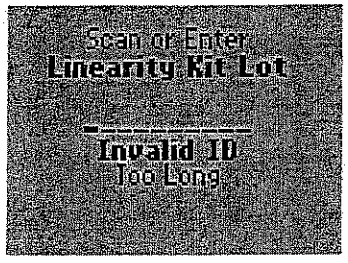
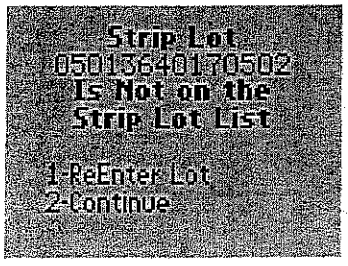
Symptom/Error Message	Explanation	How To Respond
 The display is blank.	The monitor has little or no power.	Verify proper battery installation. If the problem persists, install new batteries. See Chapter 11, Maintenance for more information.
	Battery power is getting low. Testing will be available for a limited time.	Install new batteries. See Chapter 11, Maintenance for more information. Press **1** to turn monitor off.
	Occurs when any test is selected and the temperature is outside the monitor operating temperature range.	Press **1** to **Exit**. Turn monitor off. Allow the monitor to return to room temperature.
	The monitor is shipped from the factory without configuration. This screen will appear the first time you turn on the meter after receiving it.	Use PrecisionWeb or other Abbott-supplied software to configure the device to your specific institution's requirement prior to using the device.
	An error has occurred during last data transfer. This screen will appear when you turn on the monitor.	Place the monitor into the docking station to complete the upload. Once the monitor has successfully been docked, the warning will disappear. Or, Press **1** to **Continue** testing.

When You Turn on the Monitor, or During Use:

Symptom/Error Message	Explanation	How To Respond
	The monitor may have a problem that prevents it from operating properly. One of several four-digit error codes may be displayed. These codes provide Abbott additional information about the problem.	**1.** Turn off the monitor. Turn it on and repeat the function. **2.** If the problem persists, place the monitor in the docking station to update the configuration files. **3.** If the problem still persists, record the four digit error code and contact Abbott Technical Support.
	The test strip was inserted at the wrong time. The monitor will beep if functions are attempted before the strip is removed or if the test strip is left in when the test calls for the test strip to be removed.	Remove the test strip from the test strip port.
 1.1 mmol/L	The test result is below the measuring limit of the system.	**1.** Repeat the test with a new test strip. **2.** If the result persists, follow your institution's policy.
 >27.8 mmol/L	The test result is above the measuring limit of the system.	**1.** Repeat the test with a new test strip. **2.** If the result persists, follow your institution's policy.
	The test strip or the test strip port is wet, defective, contaminated or the wrong test strip was inserted.	**1.** Remove the old test strip. **2.** Press **1** to continue testing with a **New Strip.** Or, Press **2** to **Exit** to the **Test Menu.**

Symptom/Error Message	Explanation	How To Respond
	There may be a problem with the test strip. One of several 4-digit error codes may be displayed. These codes provide Abbott personnel additional information about the problem. Errors include:	**1.** Press **1** to repeat the test with a **New Strip** or **2** to **Exit**. **2.** If the error occurs again, record the four-digit error code and contact Abbott Technical Support.
	4327 - The strip was removed during testing.	Repeat the test with a new test strip.
	4330 - Blood glucose may be too high to be read by the system or there may be a problem with the test strip.	Repeat the test with a new test strip. If the error occurs again, confirm the result by performing a laboratory reference test.
	The Operator ID just entered is not on the list of acceptable Operator ID's defined for this monitor. (The menu items **2 – Continue** appear only if this option is set to Warn.)	**1.** Press **1** to **ReEnter** the ID using the barcode scanner or keypad. Or, Press **2** to **Continue**. **2.** If the problem persists, notify the system administrator.
	The Operator ID entered is not on the list of acceptable Operator ID's defined for this monitor.	**1.** Press **1** to **ReEnter** the Operator ID. **2.** If the problem persists, contact the system administrator for further information on operator certification.
	The Operator ID entered has expired. (The menu item **2 – Continue** appear only if this option is set to Warn.)	**1.** Press **1** to **ReEnter** the ID using the barcode or keypad. Or, Press **2** to **Continue** testing using the Operator ID already entered. **2.** If the problem persists, notify the system administrator.
	The Operator ID is due to expire. At this time, testing is still allowed.	**1.** Press **1** to **Continue** with testing. **2.** Contact your manager or the system administrator for further information on operator certification.

During Any Test:

Symptom/Error Message	Explanation	How To Respond
	The barcode just scanned was not read correctly. Possible reasons are: • The red scanner beam did not pass across all the bars of the code. • The barcode was damaged or poorly printed. • The barcode was not of the type specified for this ID or lot number.	1. Re-enter the lot number using the barcode scanner or keypad. 2. Notify the system administrator. The problem may be the printing of the barcode or the setup.
	The barcode just scanned is from a foil packet of test strips that has expired.	1. Discard the expired test strips. 2. Repeat the scan with a new, unexpired foil packet of test strips.
	The ID or lot number just scanned or entered is too long or too short, according to format defined during the setup of this monitor.	1. Verify and re-enter the ID or lot number using the barcode scanner or keypad. 2. If the problem persists, notify the system administrator.
	The ID or lot number just scanned or entered is not on the list of acceptable ID's or lot numbers defined for this monitor. (The menu items **1– ReEnter Lot** and **2 – Continue** appear only if this option is set to Warn.)	1. Press **1** to **ReEnter** the ID or lot number using the barcode scanner or keypad Or, Press **2** to **Continue** testing. 2. If the problem persists, notify the system administrator.

MAINTENANCE

The Precision Xceed Pro Monitor requires little routine maintenance. During testing, the sample remains outside the monitor, which significantly reduces the possibility of contamination.

Cleaning the Exterior Surface

- Cleaning the exterior surface of the Precision Xceed Pro Monitor daily is recommended. *The Joint Commission recommends cleaning after each patient for infection control.*
- The monitor needs to be cleaned only with a damp cloth or a sponge and a mild detergent. It is suggested that the monitor be turned off while it is being cleaned. Do not immerse or autoclave the monitor or flood it with any liquid.
- Acceptable cleaning solutions include alcohol and ammonia based cleaners. Recommended solutions are Sani-Cloth®, HB, Sani-Cloth® Plus, and Super Sani-Cloth®.
- Bleach or hydrogen peroxide based cleaners will fade the monitor keypad.
- Hype-Wipe®, Dispatch® and Virox® 5 wipes are not recommended as they may fade the monitor keypad. Cleaning solutions not listed have not been tested and may damage the monitor.

IMPORTANT: *If a pre-packaged wipe is used for cleaning, excess fluid should be squeezed out to keep liquid from entering the monitor. Permanent damage could occur*

Replacing the Port Protector

The port protector is designed to minimize the possibility of liquid entering the monitor through the strip port. Should blood or control solution come in contact with the port protector, the monitor should be cleaned and the port protector replaced with a new, dry port protector. After cleaning the monitor, dry the area around the port protector thoroughly.

1. Lift the port protector from its left or right edge.
2. Pull gently away until the protector separates from the monitor.
3. Rest the flat bottom of the new port protector on the ledge of the test strip port.
4. Gently push both sides of the port protector until you hear the tabs snap into place. There should be no gap between the port protector and the monitor around the edges.

Battery Life

The average alkaline battery life is approximately 60 days, based on an average of 9 tests per day and monitor being shut off within 2 minutes of it not being used (depending on barcode usage). Battery life will vary based upon actual use.

Replacing the Batteries

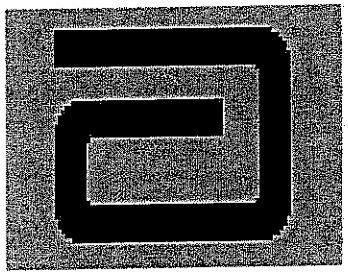
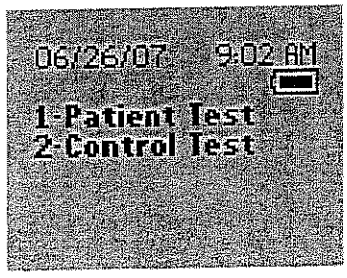
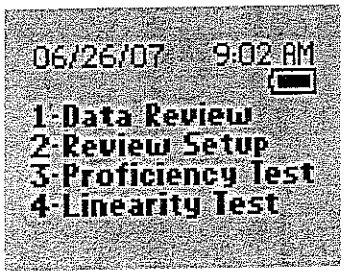
Use the following procedure to install new batteries in the Precision Xceed Pro Monitor. The Precision Xceed Pro Monitor requires two (2) AA alkaline batteries or nickel-metal hydride (NiMH) rechargeable batteries .

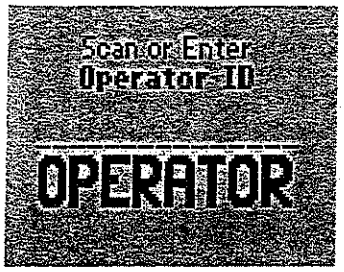
1. Turn the Precision Xceed Pro Monitor off by pressing the On/Off button on the keypad.
2. Turn the monitor over and remove the battery door.

DATA REVIEW

The Precision Xceed Pro Monitor stores the results of up to 2,500 patient tests, 1,000 control tests, 20 proficiency tests and 1 linearity panel. This data can be retrieved by the following categories:

- **Patient by Operator ID (OperID):** This will show test results performed by a particular operator
- **Patient by Patient ID (PatID):** This will show tests results performed for particular patient starting with the most recent test.
- **All Patient Data:** This will display the test results for all patients, starting with the most recent test.
- **Control Data:** This will show control test results, starting with the most recent test.
- **Proficiency Data:** This will show proficiency test results, starting with the most recent test.
- **Linearity Data:** This will show linearity results, by level and order.

What You See on the Display	*What You Do*	*Comments*
	**1.** Press the **On/Off** button to turn the monitor on.	The Abbott logo screen will appear in black for a few seconds and then will appear in gray to ensure that the display is functioning properly. Next, the software version and then the **Test Mode** menu screens will appear.
	**2.** Press the **Menu** button.	The monitor starts in **Test Mode**. The Menu button will toggle the monitor to **Menu Mode**.
	**3.** Press **1** to select **Data Review.**	

What You See on the Display	What You Do	Comments
	**4.** Press **Scan** to scan the Operator ID barcode or manually enter the Operator ID via the keypad, then press **Enter**.	While the Operator ID may be up to 30 digits, not all digits will fit on the display. The monitor may also be set to truncate (ignore) leading, trailing, and/or selected digits of the barcode.
	**5.** Choose the category of data to review.	

REFERENCES:

1. MediSense *Precision X ceed Pro Point of Care* Operator's Manual *for Blood* Glucose Monitoring, Rev. A 11/07
2. Precision *PCx Plus* Blood Glucose Test Strip Insert, Rev. A 07/07
3. MediSense Glucose Control Solutions Insert, Rev. A 1/09

This Policy & Procedure was originated, reviewed and approved by the following:

Revised by: Donovan Berry, SMT — Date: 1/23/13

Approved by: Medical Laboratory Director — Date

Annual Review: — Date

Annual Review: — Date