

**OREGON DEPARTMENT OF CORRECTIONS**  
**Operations Division**  
**Health Services Section Policy and Procedure #P-D-04.7**

SUBJECT: BLOOD GLUCOSE MONITORING

POLICY: Blood glucose monitoring can be performed by Health Services personnel or the patient after instruction on how to use the Assure Pro. Assure Pro testing is a tool for monitoring blood glucose levels.

PROCEDURE:

A. Assemble the following equipment:

- Accu-Chek meter
- Calibration check strip
- Two 3 volt lithium batteries
- Liquid control solutions
- Test strips
- Lancets and penlet automatic finger puncturing device
- Alcohol wipes
- 2 x 2 cotton gauze
- Latex gloves (shall be worn with all contact with body fluid by health services personnel)
- Sharps Container

B. Control

Control shall be performed weekly before using monitor or when using a new vial of test strips. Controls should be done if the monitor is dropped or the results appear to be inaccurate.

C. Coding (calibration)

1. The Assure Pro system is coded automatically using the code chip found with each new vial of test strips.
2. A new code chip shall be inserted in the monitor whenever a new vial of test strips is used.
3. Make sure the monitor is turned off. Turn monitor over to remove the old chip from the right side of meter. The new code chip is properly inserted when it snaps in place.

## Blood Glucose Monitoring

4. Turn on monitor. A three-digit code number appears. This number must match the code number on the vial of test strips. If the numbers do not match, repeat the code procedure.

### D. Performing the test.

1. Remove a new strip from the vial. Replace vial cap immediately.
2. Insert the test strip with the contact bars facing up. (The meter will turn on automatically).
3. Verify that the code number shown on the screen matched the code number printed on the bottle. (The strip and flashing blood drop indicate the meter is ready for use.)
4. Obtain a blood sample. Apply blood to the sample application tip at the end of the test strip. Capillary action will pull the blood into the strip.
5. The meter will count down by showing "---". The meter will show the result in ten seconds.
6. The blood glucose results will be shown in units of mg/dL. Results will not show a decimal point.
7. Record Assure Pro results on the multi-parameter flow sheet.
8. Point the Assure Pro device strip down and thumb the white button above the Assure Pro name to release the test strip into a trash receptacle.
9. Normal blood glucose readings for people with diabetes are:  
Fasting: 90-130 mg/dL  
Two hours after any meal: <180 mg/dL  
Bedtime: 110-150 mg/dL
10. When a flashing battery symbol appears on the display the batteries are weak and only have enough power to run a few more tests. TURN OFF the Assure Pro before changing batteries and change batteries within one minute to avoid losing time and date settings.
11. Assure Pro Customer Service 1-800-818-8877.

### E. Replacement supplies are provided by Health Services stores.

Effective Date: \_\_\_\_\_

Revision date: April 2007

Supersedes P&P dated: March 2006