Alaris® PCA Module Pocket Guide

Syringe Loading and Set-Up

**Loading:**
1. Open syringe barrel clamp (clear piece) until it clears syringe chamber.
2. Raise drive head (gray) to its fully extended position.
3. Insert syringe barrel flange between barrel flange grippers (see drawing).
4. Lock syringe in place by closing barrel clamp.
5. Twist gripper clockwise, lower drive head, lock plunger in place with plunger grippers.

**Priming:**
1. If priming using PCA module, this feature is available when viewing Infusion Mode screen during programming of PCA module. At this screen Press OPTIONS, then press PRIME SET WITH SYRINGE.
2. Once tubing set is primed, close slide clamp.

**WARNING:** TO PREVENT UNREGULATED FLOW, CLOSE SET TUBING CLAMP BEFORE LOADING OR UNLOADING SYRINGE.

**Note:** At the start of an infusion program, the system prompts to select and confirm syringe type and size. Ensure displayed syringe manufacturer and size correctly identifies the installed syringe.

**Operator Precautions:** For proper operation of the Alaris® System (formerly Medley® System) the user must be familiar with the features, disposables, administration sets, set-up and programming.

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**PROGRAMMING GUIDE**

**Initial Set-Up:**
1. Load syringe with administration set attached.
2. Press SYSTEM ON key and select YES or NO to “New Patient”.
3. Select appropriate profile.
4. Press CHANNEL SELECT key and set key to “Program” position.
5. Press CONFIRM time setting and choose correct syringe type and size.
6. Choose correct medication and concentration.
7. At “Infusion Mode” screen: To Prime, press OPTIONS key.
8. Press PRIME SET WITH SYRINGE.
9. Press and hold PRIME key to prime tubing.
10. Press EXIT when prime is complete.
11. Choose desired Infusion Mode and follow on-screen prompts.
12. Close and lock down and attach administration set tubing set to patient.
13. Review settings and press START.

**Programming PCA with PCA Pause Protocol Enabled:**
1. Perform steps 1-10 of Initial Set-Up in previous section and continue with following steps.
2. Review Clinical Advisory “Attach an SPO₂ or EtCO₂ Module Now”.
3. Press CONFIRM.
4. Note: If a monitoring module is not attached and started, PCA Pause Protocol WILL NOT activate.
5. Choose desired Infusion Mode and follow on-screen prompts.
6. Press NEXT key to verify medication parameters.
7. Review Clinical Advisory “PCA Pause Limits Should be Reviewed”.
8. Press CONFIRM.
9. Choose desired Infusion Mode and follow on-screen prompts.

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**PCA/Monitoring Trend Data**

**Note:** This function requires use of Alaris® monitoring module(s).

1. Press CHANNEL SELECT on the monitoring module.
2. Press OPTIONS.
3. Press PCA/Monitoring Trend data.
4. To exit: Press MAIN.
5. Press MAIN SCREEN.

**Give a Bolus Dose**

1. Press CHANNEL SELECT key.
2. Press Bolus Dose.
3. Set key to Program position or enter authorization code (if enabled).
4. Enter bolus dose amount and lock door.
5. Press CONFIRM.
6. Review settings and press START.

**Stop Bolus, Loading or PCA Dose**

1. Press CHANNEL SELECT key.
2. Press Stop Bolus/Loading or PCA.
3. Press YES or NO.

**Note:** Programmed settings will resume.

**Change Dose Request Cord Setting**

1. Press CHANNEL SELECT key.
2. Press OPTIONS.
3. Press “Demand” or “Onshire Empty”.
5. Press CONFIRM and press START.

**Change PCA Pause Alarm Limits**

1. Press CHANNEL SELECT key.
2. Press OPTIONS.
3. Press “PCA Pause Limits”.

4. Choose desired parameter and enter value.

**Note:** If acceptable range value is not within hospital defined range a prompt is provided.
5. Follow on screen prompts.
6. Press CONFIRM and press START.

**Responding to PCA Pause Alarm**

1. Always follow hospital protocol.
2. Press CONFIRM.

**Note:** Disabling PCA Pause Alarm

1. Select Disable SPO2 or Disable EICO2.
2. Press CONFIRM.
3. Press START.

**Note:** Attaching and Detaching Dose Request Cord

To attach the Dose Request Cord:

Insert latching connector on the cord into Dose Request Cord attachment on the PCA module.

The red marking on the latching connector should be aligned with the red marking on the Dose Request Cord attachment.

**Stop Bolus, Loading or PCA Dose**

1. Press CHANNEL SELECT key.
2. Press Stop Bolus/Loading or PCA.
3. Press YES or NO.

**Note:** Programmed settings will resume.

**Change Dose Request Cord Setting**

1. Press CHANNEL SELECT key.
2. Press OPTIONS.
3. Press “Dose Request Set-up”.
5. Press CONFIRM and press START.

**Change PCA Pause Alarm Limits**

1. Press CHANNEL SELECT key.
2. Press OPTIONS.
3. Press “PCA Pause Limits”.

4. Choose desired parameter and enter value.

**Note:** If acceptable range value is not within hospital defined range a prompt is provided.
5. Follow on screen prompts.
6. Press CONFIRM and press START.

**Responding to PCA Pause Alarm**

1. Always follow hospital protocol.
2. Press CONFIRM.

**Note:** Disabling PCA Pause Alarm

1. Select Disable SPO2 or Disable EICO2.
2. Press CONFIRM.
3. Press START.

**Note:** Attaching and Detaching Dose Request Cord

To attach the Dose Request Cord:

Insert latching connector on the cord into Dose Request Cord attachment on the PCA module.

The red marking on the latching connector should be aligned with the red marking on the Dose Request Cord attachment.

**To detach the Dose Request Cord:**

Hold the body of latching connector on the Dose Request Cord and pull straight away from the PCA module, without twisting or turning.

**Detaching Module:**

Use key to unlock door. Inside locate black lever and depress. At the same time, hold the PCA module and move the bottom of the PCA module sideways and away from the Alaris® PC Point-of-Care unit ("Alaris® PC unit").

**TROUBLESHOOTING**

**Alerts and Alarms (NOTE: During alarm state - PCA module no longer infusing)**

**Hourly Maximum Limit Reached:**

Indicates the maximum amount of drug delivered based on Maximum Hourly Limit field. Alarm message Max Limit Reached will scroll in channel message display on the PCA module. To silence safety alarm tone, press SILENCE key. PCA module will remain silent. Alarm tone will re-sound if additional dose is requested during maximum limit reached alarm.

**Module Enforcement Alert:**

When this feature is enabled security of the PCA module is enhanced. A user message will appear on the screen when the PCA module is NOT located directly to the right of the Alaris® PC unit. To correct this message, remove the PCA module and attach directly to the right of the Alaris® PC unit.

**Near End of Infusion Alert (NEO):**

Alert message appears on the screen Near End and remaining VTBI will alternate on screen until syringe is empty. Alert message will scroll in channel message display on the PCA module. The PCA module remains functional and will continue infusion. To silence safety alert tone, press SILENCE key. PCA module will remain silent until Syringe Empty alarm sounds.

**Syringe Empty:**

Alarm message Syringe Empty will scroll in channel message display on the PCA module. To silence safety alarm tone, press SILENCE key. PCA module will remain silent approximately 2 minutes and will re-sound.