

VALLEYCARE
OLIVE VIEW-UCLA MEDICAL CENTER/HEALTH CENTERS
5B - INTENSIVE CARE UNIT
POLICY & PROCEDURE

NUMBER: 5047
VERSION: 1

SUBJECT/TITLE: USE OF LIFEPAK 9 AND LIFEPAK 9P

POLICY: The LIFEPAK 9 or LIFEPAK 9P defibrillator/monitor/pacemaker is a device is intended for use in the diagnosis and treatment of certain cardiac dysrhythmias. The monitor may be used for monitoring, defibrillation, synchronized Cardioversion and transcutaneous cardiac pacing. LIFEPAK 9 or LIFEPAK 9P must be cleaned/disinfected after each patient use.

PURPOSE: To provide guidance in the use, cleaning/decontamination of the LifePak 9 and LifePak 9P.

DEPARTMENTS: Medicine, Nursing 5B - Intensive Care Unit

DEFINITIONS: The LIFEPAK 9 or LIFEPAK 9P defibrillator/monitor/pacemaker is a complete cardiac life support system for crash cart needs used by hospital staff and other authorized healthcare providers.

PROCEDURE: Use as Monitor

1. Wash hands and don non-sterile gloves.
2. Turns monitor on by pressing “ON” dark green button
3. Attach three disposable cardiac electrodes: first electrode to the right upper quadrant of the upper chest, second electrode to the left upper quadrant of the upper chest, and the third electrode to the left upper quadrant of the abdomen.
4. Attach the white colored cardiac lead to the first electrode, the
 - a. black colored cardiac lead to the second electrode, and the red colored cardiac lead to the third electrode.
5. Check to see if proper rhythm is being traced on the LED monitor on the side of the portable monitor unit and adjusts size accordingly.

Use for Defibrillation

1. Wash hands and don nonsterile gloves and personal protective equipment.
2. Turn defibrillator on by pressing “ON” dark green button
3. Apply gel patches to patient.

Note: If using LifePak 9P with Self-Adhesive disposable pads, installs “Quick Combo Adapter”

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- a. Remove the standard paddles from the defibrillator.
 - b. Rotate the connector locking ring counterclockwise until a positive stop is reached and the connector arrows are aligned.
 - c. Grasp the connector body and gently pulls until the connector separates from the “Defib Out” connector on the defibrillator
 - d. Push the yellow locking lever down on the Quick Combo adapter.
 - e. Insert the top of the Quick Combo adapter into the paddle storage area on the defibrillator, then pushes the bottom of the adapter into the “Defib Out” connector.
 - f. Push the yellow locking lever up to lock the adapter in place.
 - g. Insert the interconnect cable on the adapter firmly into the pacing output connector on the defibrillator.
 - h. Connect output cable to “Quick Combo” Adhesive Pads
 - i. Apply the “Quick Combo” adhesive pads as illustrated on the adhesive pads based on preference.
4. Set energy level to 360 joules by pressing “ENERGY SELECT” light green button arrow up.
Note: Defibrillator defaults to “200 joules”
5. Press paddles firmly against the patient’s skin.
 6. Place “Sternum” paddle to the right of the sternum, just below clavicle
 7. Place “Apex” paddle left of left nipple on mid-axillary line.
 8. Charges the paddles by depressing the “CHARGE” yellow button.
 9. Confirm persistent V-Fib or V-Tach on the monitor.
 10. Check for safety by yelling “Shocking on three”, One I’m Clear, Two You’re Clear, Three we’re all clear”.
 11. Depress and hold the discharge buttons on both paddles simultaneously

Use for Cardioversion

1. Wash hands and don nonsterile gloves and personal protective equipment.
2. Turn defibrillator on by pressing “ON” dark green button
3. Apply gel patches to patient.
Note: If using LifePak 9P with Self-Adhesive disposable pads, installs “Quick Combo Adapter”
 - a. Remove the standard paddles from the defibrillator.
 - b. Rotate the connector locking ring counterclockwise until a positive stop is reached and the connector arrows are aligned.
 - c. Grasp the connector body and gently pulls until the connector separates from the “Defib Out” connector on the defibrillator
 - d. Push the yellow locking lever down on the Quick Combo adapter.
 - e. Insert the top of the Quick Combo adapter storage area on the defibrillator, then pushes the bottom of the adapter into the “Defib Out” connector.
 - f. Push the yellow locking up to lock the adapter in place.

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- g. Insert the interconnect cable on the adapter firmly into the Pacing output connector on the defibrillator.
 - h. Connect output cable to “Quick Combo” Adhesive Pads.
 - i. Apply the “Quick Combo” adhesive pads as illustrated based on Preference.
4. Set energy level to 360 joules by pressing “ENERGY SELECT” light green button arrow up.
Note: Defibrillator defaults to “200 joules”
 5. Activate “Synchronized” mode by pressing the “Sync” button.
 6. Press paddles firmly against the patient’s skin.
 7. Place “Sternum” paddle to the right of the sternum, just below clavicle
 8. Place “Apex” paddle left of left nipple on mid-axillary line.
 9. Charges the paddles by depressing the “CHARGE” yellow button.
 10. Check for safety by yelling “Shocking on three”, One I’m Clear, Two You’re Clear, Three we’re all clear”.
 11. Depress and hold the discharge buttons on both paddles simultaneously

Use for Pacing

1. Wash hands and don nonsterile gloves and personal protective equipment.
2. Turn defibrillator on by pressing “ON” dark green button
3. Attach EKG leads to monitor patient.
4. Select a lead which provides a prominent (tall) “R” wave by pressing “LEAD SELECT” button.
Note: Machine defaults to Lead II
5. Apply gel patches to patient.
Note: If using LifePak 9P with Self-Adhesive disposable pads, installs “Quick Combo Adapter”
 - a. Remove the standard paddles from the defibrillator.
 - b. Rotate the connector locking ring counterclockwise until a positive stop is reached and the connector arrows are aligned.
 - c. Grasp the connector body and gently pulls until the connector separates form the “Defib Out” connector on the defibrillator
 - d. Push the yellow locking lever down on the Quick Combo adapter.
 - e. Insert the top of the Quick Combo adapter into the paddle storage area on the defibrillator, then pushes the bottom of the adapter into the “Defib Out” connector.
 - f. Push the yellow locking lever up to lock the adapter in place.
 - g. Insert the interconnect cable on the adapter firmly into the pacing output connector on the defibrillator.
 - h. Connect output cable to “Quick Combo” Adhesive Pads
 - i. Apply the “Quick Combo” adhesive pads as illustrated on the adhesive pads based on preference.
6. Turn pacer on by pressing “PACER” button.

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Note: Pacer defaults to “60” PPM and “0” mA

- 7. Adjust Pacer rate by pressing “Rate” button arrow up
- 8. Initiate pacing by slowly increasing the energy level (mA) delivered until Consistent capture occurs at the prescribed rate.

Cleaning the exterior surface

The exterior surface of LifePak 9 and LifePak 9P can be cleaned and disinfected using the recommended cleaner or disinfectant.

- 1. Unplug the power supply.
- 2. Clean the surfaces using a soft cloth lightly dampened in a mild soap or detergent cleaning solution.
- 3. Wipe the surfaces with the disinfecting solution. PDI Super Sani Cloth is recommended.
- 4. Air dry or towel dry with a clean cloth.
- 5. Place a clean plastic cover over the ECG machine to indicate that equipment has been cleaned/disinfected and ready for use.

Cleaning the peripherals

Cables and cords are cleaned in the same manner as listed above.

References: Manufacturer Owner’s Manual AACN Procedure Manual for Critical Care, 6 th Ed. ValleyCare – Olive View/UCLA Medical Center, Nursing Education Competency Validation checklist	
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