

Suggestions for Performance Evaluation

with the LIFEPAK® 12 Defibrillator/Monitor



ECG Monitoring, Defibrillation and Synchronized Cardioversion with Standard Adult Paddles

Name: _____ Unit: _____

Reviewer: _____ Date: _____

This Performance Evaluation is a suggested assessment of one's ability to operate the LIFEPAK 12 defibrillator/monitor configured with standard paddles. This is a limited evaluation and does not cover all information and skills required to operate the device safely and effectively. This evaluation is based on default settings and is designed to be completed after viewing the appropriate inservice video or observing an equipment demonstration given by a qualified instructor. For complete information, review the LIFEPAK 12 defibrillator/monitor Operating Instructions. References to buttons are in **bold** and screen display messages are indicated in *italics*. A patient simulator is required.

Monitoring with ECG Cable and ECG Electrodes

PERFORMANCE CRITERIA	COMPLETE	INCOMPLETE	COMMENTS
1. Presses ON			
2. Attaches ECG cable to ECG connector on front of monitor			
3. Prepares patient's skin for electrode placement <ul style="list-style-type: none">• Bares patient's chest• Shaves excess hair at electrode site• Prepares electrode site with brisk, dry rub			
4. Applies ECG electrodes <ul style="list-style-type: none">• Attaches an electrode to each ECG lead wire• Identifies appropriate electrode sites and applies electrode flat to skin, smoothing tape outwardly, avoiding pressing on the center of the electrode• Secures trunk cable clasp to patient's clothing			
5. Selects or changes ECG lead <ul style="list-style-type: none">• Presses LEAD, while the Lead menu is displayed, presses LEAD again or rotates SELECTOR Or <ul style="list-style-type: none">• Uses SELECTOR to highlight and select channel 1 and then Lead• Rotates the SELECTOR to desired ECG lead			
6. Observes monitor screen			
7. Selects or changes ECG size as needed <ul style="list-style-type: none">• Presses SIZE, while the Size menu is displayed, presses SIZE again or rotates SELECTOR Or <ul style="list-style-type: none">• Uses SELECTOR to highlight and select channel 1 and then Size• Rotates SELECTOR to desired ECG size			
8. Adjusts Systole volume as needed <ul style="list-style-type: none">• Uses SELECTOR to highlight and select HR• Selects QRS Volume• Rotates SELECTOR to desired volume			
9. Presses PRINT to obtain ECG printout			

Monitoring with Standard Adult Paddles

PERFORMANCE CRITERIA	COMPLETE	INCOMPLETE	COMMENTS
1. Presses ON			
2. Prepares patient's skin <ul style="list-style-type: none"> Bares patient's chest Dry patient's skin Shaves excess hair at electrode site 			
3. Applies conductive gel over the entire electrode surface of the standard paddles			
4. Applies standard paddles in anterior-lateral position <ul style="list-style-type: none"> Places the APEX paddle lateral to the patient's left nipple in the midaxillary line, with the center of the electrode in the midaxillary line Places the STERNUM paddle on the patient's upper right torso, lateral to the sternum and below the clavicle 			
5. Connects standard paddles to the therapy connector			
6. Selects Paddles lead <ul style="list-style-type: none"> Presses LEAD, while the Lead menu is displayed, presses LEAD again or rotates SELECTOR to select Paddles lead Or <ul style="list-style-type: none"> Uses SELECTOR to highlight and select channel 1 and then Lead Rotates the SELECTOR to Paddles lead 			
7. Observes monitor screen			
8. Selects or changes ECG size as needed <ul style="list-style-type: none"> Presses SIZE, while the Size menu is displayed, presses SIZE again or rotates SELECTOR Or <ul style="list-style-type: none"> Uses SELECTOR to highlight and select channel 1 and then Size Rotates SELECTOR to desired ECG size 			
9. Presses PRINT to obtain a ECG printout			

Manual Defibrillation with Standard Adult Paddles

PERFORMANCE CRITERIA	COMPLETE	INCOMPLETE	COMMENTS
1. Confirms patient is in cardiopulmonary arrest; unresponsive, not breathing normally, and without signs of circulation			
2. Presses ON			
3. Prepares patient's skin for electrode placement <ul style="list-style-type: none"> Bares patient's chest Dries patient's skin Shaves excess hair at electrode site Avoids placing therapy electrodes over broken skin 			
4. Applies conductive gel over the entire electrode surface of the standard paddles			
5. Applies standard paddles in anterior-lateral position <ul style="list-style-type: none"> Places the APEX paddle lateral to the patient's left nipple in the midaxillary line, with the center of the electrode in the midaxillary line Places the STERNUM paddle on the patient's upper right torso, lateral to the sternum and below the clavicle 			

Manual Defibrillation with Standard Adult Paddles (Cont'd)

PERFORMANCE CRITERIA	COMPLETE	INCOMPLETE	COMMENTS
6. Connects standard paddles to the front of the device			
7. Selects Paddles lead <ul style="list-style-type: none"> Presses LEAD, while the Lead menu is displayed, presses LEAD again or rotates SELECTOR to select Paddles lead Or <ul style="list-style-type: none"> Uses SELECTOR to highlight and select channel 1 and then Lead Rotates the SELECTOR to Paddles lead 			
8. Presses ENERGY SELECT or rotates ENERGY SELECT dial on standard paddles <ul style="list-style-type: none"> Verifies desired energy 			
9. Presses CHARGE			
10. Confirms ECG rhythm and available energy <ul style="list-style-type: none"> Reads screen and screen overlay 			
11. States "All clear" and observes all personal are clear of patient, bed, and equipment connected to the patient			
12. Presses SHOCK buttons on standard paddles			
13. Observes patient and ECG rhythm, repeating procedure if necessary			

Synchronized Cardioversion with Adult Standard Paddles

PERFORMANCE CRITERIA	COMPLETE	INCOMPLETE	COMMENTS
1. Presses ON			
2. Attaches ECG cable to ECG connector on front of monitor			
3. Selects lead II or lead with the greatest QRS complex amplitude (positive or negative)			
4. Press SYNC . Confirms the sync LED blinks with each detected QRS complex			
5. Observes ECG rhythm and confirms sense markers (▼) appear near the middle of each QRS complex. If they do not appear: <ul style="list-style-type: none"> Adjusts ECG size Selects another ECG lead 			
6. Prepares patient's skin for electrode placement <ul style="list-style-type: none"> Bares patient's chest Shaves excess hair at electrode site Prepares electrode site with brisk, dry rub 			
7. Connects standard paddles to the front of the device			
8. Applies standard paddles in anterior-lateral position <ul style="list-style-type: none"> Places APEX paddle lateral to the patient's left nipple in the midaxillary line, with the center of the electrode in the midaxillary line Places STERNUM paddle on the patient's upper right torso, lateral to the sternum and below the clavicle 			

Synchronized Cardioversion with Adult Standard Paddles (Cont'd)

PERFORMANCE CRITERIA	COMPLETE	INCOMPLETE	COMMENTS
9. Presses ENERGY SELECT or rotates ENERGY SELECT dial on standard paddles <ul style="list-style-type: none"> Verifies desired energy 			
10. Presses CHARGE			
11. Confirms ECG rhythm and available energy <ul style="list-style-type: none"> Reads screen and screen overlay 			
12. States "All clear" and observes all personal are clear of patient, bed, and equipment connected to the patient			
13. Presses and holds SHOCK button			
14. Releases SHOCK button after discharge occurs			
15. Observes patient and ECG rhythm, repeating procedure if necessary			

General Performance Guidelines

Consider the following issues when evaluating performance:

- Was defibrillation performed in a safe manner?
- Was the defibrillation algorithm followed?
- Was defibrillation integrated with CPR?

Suggested Advanced Performance Scenarios

- Diaphoretic patient
- Defibrillator charged; remove charge
- Energy not delivered when **SHOCK** buttons pressed
- Describes the possible cause and corrective actions for the following screen messages:
 - *CONNECT CABLE*
 - *ABNORMAL ENERGY DELIVERY*
- Disarming message appears
- Patient goes into v-fib while device in synch mode for cardioversion

Optional Activities

Performance Evaluation:

- Removes therapy cable and attaches hard paddles to the LIFEPAK 12 defibrillator.
- Attaches therapy cable to the LIFEPAK 12 defibrillator.
- Locates defibrillator, razor or clippers, towels, and other miscellaneous equipment in the workplace.
- Demonstrates transfer of care to Advanced Cardiac Life Support Code Team.

Evaluation and Action Plan



Physio-Control
 P.O. Box 97006
 Redmond, WA 98073-9706 USA
 Tel: 425.867.4000
 Toll Free (USA only): 800.442.1142
 Fax: 425.867.4121
 www.physio-control.com

PHYSIO-CONTROL and LIFEPAK are registered trademarks of Physio-Control, Inc. Filterline is a registered trademark of Oridion Medical Ltd.
 ©2008 Physio-Control, Inc. Redmond, WA, 98052, USA

MIN 3208252-000 / CAT 26500-002929