

Suggestions for skills assessment

with the **LIFEPAK® 35** monitor/defibrillator

12/15-lead ECG

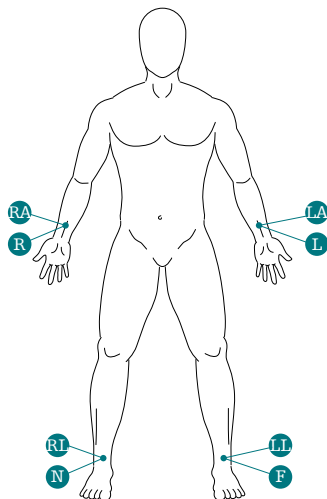
Name: _____ Unit: _____

Reviewer: _____ Date: _____

This skills checklist assesses a trained user's ability to perform a 12/15 lead ECG with the LIFEPAK 35 monitor/defibrillator. This limited checklist does not cover all information and skills required to operate the device safely and effectively. This checklist is designed to be completed after receiving or viewing in-service training by a qualified instructor. Refer to the LIFEPAK 35 monitor/defibrillator Operating Instructions for complete directions for use, indications, contraindications, warnings, cautions, and potential adverse events. CAPITAL LETTERS indicate labels, screen messages, and voice prompts. "Push" is used when referring to keypad buttons, and "Press" is used when referring to softkeys on the touchscreen indicated by italics.

Assessment criteria	Complete	Incomplete	Comments
12-lead ECG			
1. Pushes the POWER button.			
2. Starts with the limb lead cable (4 wires), attaches the precordial lead cable (6 wires) for a 12-lead.			
3. Attaches cable connector into the green ECG port on the monitor.			
4. Describes skin prep according to local protocols or Operating Instructions.			For tips see Stryker's "Minimizing ECG Artifact Pocket Guide"
5. Applies ECG electrodes to limb locations (avoiding tendons and major muscle masses) and to precordial locations. (12-lead)			

Limb ECG electrode locations



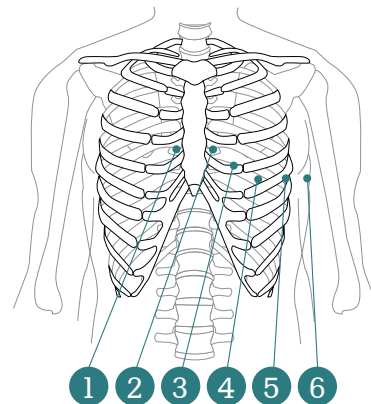
AHA Labels

- RA** Right Arm
- LA** Left Arm
- RL** Right Leg
- LL** Left Leg

IEC Labels

- R** Right
- L** Left
- N** Negative
- F** Foot

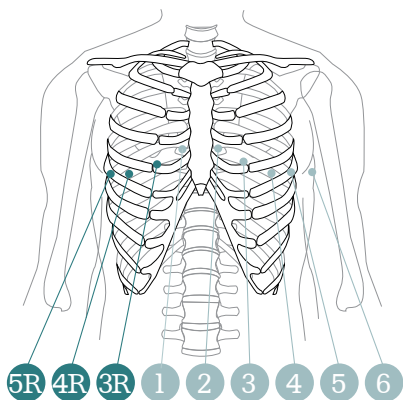
Precordial ECG electrode locations



- V1 C1** Fourth intercostal space at right border of the sternum
- V2 C2** Fourth intercostal space at left border of the sternum
- V3 C3** Midway between leads V2/C2 and V4/C4
- V4 C4** Fifth intercostal space at midclavicular line
- V5 C5** Level with V4/C4 at left at anterior axillary line
- V6 C6** Level with V5/C5 at left midaxillary line

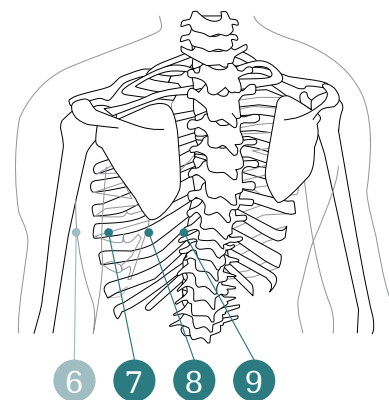
6. Connects correct ECG wires to each ECG electrode. (limb, precordial)			
7. Describes optimal patient positioning to acquire ECG.			Note: consult Operating Instructions as needed.
8. Presses 12-LEAD button to open the LIVE on-screen 12-lead preview and confirms all leads are connected and artifact-free. <ul style="list-style-type: none"> If a 10-wire cable is attached, the LIVE 12-LEAD view appears, showing all 12 leads. 			
9. Presses ACQUIRE button on the touchscreen and follows on-screen prompts to enter patient demographics.			
10. Presses OK button to acquire the 12-lead.			Ensure ECG simulator is set to a STEMI pattern matching the lead connections.
11. Recognizes on-screen abbreviated 12-lead automated interpretive statements and scrolls screen to view all recorded leads (3x4 format).			
12. Presses PRINT button at the top of the ONSCREEN REPORT to print 12-lead (if the optional printer is available).			
13. Presses ANALYSIS button to view the complete 12-lead automated interpretive statements and the STJ Insight™ graph.			
15. Presses LIVE to return to LIVE 12-lead ECG monitoring.			
15-lead ECG (using additional lead set)			
1. Attaches the additional lead cable (3 wires) for a 15-lead.			
2. Describes skin prep for ECG electrode(s) on right side or posterior ECG electrode location(s).			For tips see Stryker's "Minimizing ECG artifact Pocket Guide".
3. Applies ECG electrodes to right-side, posterior, or combination of right/posterior locations (avoiding tendons and major muscle masses).			
4. Connects correct ECG wires to each additional ECG electrode. (right-side, posterior)			

Right-side ECG electrode locations



- 3R** Midway between V1/C1 and 4R
- 4R** Fifth intercostal space at right midclavicular line
- 5R** Level with 4R at right anterior axillary line

Posterior ECG electrode locations



- 7** Level with V6/C6 at left posterior axillary line
- 8** Level with V6/C6 at left midscapular line
- 9** Level with V6/C6 at left spinal border

5. Presses 12-LEAD button to open the LIVE on-screen 15-lead preview and confirms all leads are connected and artifact-free. • If a 13-wire cable is attached, the LIVE 15-LEAD view appears. Scroll up or down to view the additional leads.			
6. Presses the on-screen ECG lead buttons for the additional leads (A1, A2, A3) and assigns the correct alternate ECG labels for right-sided locations (V3R, V4R, V5R), posterior locations (V7, V8, V9) or a combination of locations (i.e., V4R, V8, V9).			Ensure ECG simulator is set to a STEMI pattern matching the lead connections. The Symbio 15-lead ECG Simulator offers additional V4R, V8, V9 leads.
7. Follows the steps that were done for 12-lead acquisition (ACQUIRE, PRINT, ANALYSIS).			
15-lead ECG (using existing 12-lead set)			
1. Prepares patient's skin for ECG electrode(s) on right side or posterior ECG electrode location(s).			For tips see Stryker's "Minimizing ECG artifact Pocket Guide".
2. Applies ECG electrodes to right-side, posterior, or combination of -----right/posterior locations (avoiding tendons and major muscle masses).			
3. Disconnects the correct precordial ECG wire(s) per local protocol and reconnects the wire(s) to the right-side, posterior or combination of right-side/posterior ECG electrode locations.			
4. Presses the on-screen ECG lead buttons for the additional lead(s) (A1, A2, A3) and assigns the correct alternate ECG labels for right-sided location(s) (V3R, V4R, V5R), posterior location(s) (V7, V8, V9) or a combination of locations (i.e., V4R, V8, V9).			Ensure ECG simulator is set to a STEMI pattern matching the lead connections. The Symbio 15-lead ECG Simulator offers additional V4R, V8, V9 leads.
5. Follows the steps for 12-lead acquisition (ACQUIRE, PRINT, ANALYSIS).			

* ECG simulators produce digital waveforms that may elicit inconsistent automated interpretive statements.

Notes: _____



Scan here for
additional resources

This document is intended solely for the use of healthcare professionals. A healthcare professional must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that healthcare professionals be trained in the use of any particular product before using it.

The information presented is intended to demonstrate Stryker's product offerings. A healthcare professional must always refer to operating instructions for complete directions for use indications, contraindications, warnings, cautions, and potential adverse events, before using any of Stryker's products. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your representative if you have questions about the availability of Stryker's products in your area. Specifications subject to change without notice.

Stryker or its affiliated entities own, use, or have applied for the following trademarks or service marks: LIFEPAK, QUIK-COMBO, Stryker. All other trademarks are trademarks of their respective owners or holders.

The absence of a product, feature, or service name, or logo from this list does not constitute a waiver of Stryker's trademark or other intellectual property rights concerning that name or logo.

EC-L35-ASTL-1169921_REV-0_en_us XXX © 2024 Stryker



Manufactured by:

Physio-Control, Inc.
11811 Willows Road NE
Redmond, WA, 98052 U.S.A.
Toll free 800 442 1142
stryker.com/emergencycare