

# LUCAS™ Chest Compression System

## Suggestions for User Performance Evaluation

NAME \_\_\_\_\_ UNIT \_\_\_\_\_

REVIEWER \_\_\_\_\_ DATE \_\_\_\_\_

This performance evaluation is a suggested basic assessment of one's ability to operate the LUCAS chest compression system. This is a limited evaluation and does not cover all the information and skills required to operate this device safely. It is designed to be completed after viewing the appropriate inservice video or observing an equipment demonstration given by a qualified instructor. Refer to the Instructions for Use for complete information on directions for use. References to knobs and labels are indicated in CAPITAL LETTERS.

PERFORMANCE EVALUATION	COMPLETE	INCOMPLETE	COMMENTS
<p><b>Compressed Air Connections</b></p> <ul style="list-style-type: none"> <li>• Connect regulator to air cylinder (if not already done)</li> <li>• Open LUCAS bag/fold back cover</li> <li>• Confirm knob is in ADJUST position</li> <li>• Attach air hose to air cylinder or wall air supply</li> <li>• Open cylinder regulator (n/a for wall supply)</li> </ul>			
<p><b>LUCAS Assembly</b></p> <ul style="list-style-type: none"> <li>• Remove backplate from LUCAS bag</li> <li>• Place backplate under patient, supporting head/neck and place patient's arms outside the sides of the backplate</li> <li>• Lift upper part of LUCAS out of bag and insert fingers into green release rings; pulling once on the rings to check the claw locks are open</li> <li>• Press the upper part of LUCAS firmly into the backplate starting with the support leg closest to you</li> <li>• Check the support legs are locked in place by pulling them upwards</li> <li>• Reconfirm the knob is on ADJUST</li> <li>• Lower until the pressure pad inside the suction cup touches the patient's chest without compressing the chest. Note: simultaneously hold up outer rim of suction cup so you can see or feel when pressure pad touches chest.</li> </ul>			
<p><b>Operate LUCAS</b></p> <ul style="list-style-type: none"> <li>• Turn the knob to ACTIVE</li> <li>• Check that device is working properly for frequency and compression</li> <li>• Stop LUCAS by turning the knob to LOCK</li> </ul>			
<p><b>Attach Stabilization Strap</b></p> <ul style="list-style-type: none"> <li>• Lift patient's head and place support cushion under patient's neck</li> <li>• Ensure that support cushion ends rest on patient's shoulders</li> <li>• Connect buckles on support cushion straps to device straps, making sure straps are not twisted</li> <li>• Tighten support cushion straps firmly</li> <li>• Visually check for proper position of suction cup, adjusting if needed</li> </ul>			
<p><b>Discontinue and Remove LUCAS</b></p> <ul style="list-style-type: none"> <li>• Detach stabilization strap</li> <li>• Turn knob back to ADJUST</li> <li>• Raise the suction cup to its uppermost position by lifting up on the height adjustment handle</li> <li>• Pull release rings to unlock support legs and lift up LUCAS</li> <li>• Place the upper part back in the bag</li> <li>• Remove the back plate and replace in bag</li> <li>• Turn off air</li> <li>• Turn knob to ACTIVE (LUCAS will compress 2-3 times eliminating remaining air)</li> <li>• Turn knob to ADJUST</li> <li>• Disconnect the air hose from the air cylinder or wall regulator</li> <li>• Pack the stabilization strap and coil air hose on top of LUCAS in bag</li> <li>• Close the bag</li> </ul>			

