

LIFEPAK® 20e

Performance Inspection Procedure (PIP) Checklist



Model # _____ Department/Location _____

Serial # _____ Performed By _____

Type of PIP: Post-Repair Annual Date _____

A Inspection	Pass	Fail	NA	Comments
Physical Inspection & Paddle Cleaning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B Testing				
1 Power On				
a. Confirm the Service indicator is off.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Confirm the device completes the Power On sequence.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2 Date and Time				
Check/set date and time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5 SpO2 Oximeter (if SpO2 option is installed)				
Confirm SpO2 reading is between 50% and 100%.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6 Keypads Test				
Confirm all control text boxes are highlighted.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7 Pixel Test				
Confirm pixel test.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8 Audio Test				
Confirm voice messages and tones are clear and not distorted.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9 Printer Test				
Confirm printed test strip and CHECK PRINTER message.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10 ECG				
a. 3-Lead ECG Leads Off Detection Test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. 3-Lead ECG Gain Test at Lead I	Measured Value (mm)	_____		_____
c. 3-Lead ECG Gain Test at Lead II	Measured Value (mm)	_____		_____
d. 5-Lead ECG Leads Off Detection Test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
e. 5-Lead ECG Gain Test at Lead I	Measured Value (mm)	_____		_____
f. 5-Lead ECG Gain Test at Lead II	Measured Value (mm)	_____		_____
g. 5-Lead ECG Gain Test at C Lead	Measured Value (mm)	_____		_____
h. Analog ECG Output Test (Optional Test)	Measured Value (Vpp)	_____		_____
11 Delivered Energy				
a. Quik-Combo/StdPaddles- Synchronous Cardioversion Test	Measured Value (ms)	_____		_____
b. Quik-Combo/Std Paddles-Delivered Energy at 2J	Measured Value (J)	_____		_____
c. Quik-Combo/Std Paddles-Delivered Energy @70J	Measured Value (J)	_____		_____
d. Quik-Combo/Std Paddles -Delivered Energy Test @ 360J	Measured Value (J)	_____		_____
e. Quik-Combo/Std Paddles Charge time @ 360J (Battery Powered)	Measured Value (s)	_____		_____
f. Quik-Combo/Std Paddles ECG Gain Test	Measured Value (mm)	_____		_____
g. Quik-Combo/Std Paddles-R-Wave Polarity Test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Testing (cont)	Pass	Fail	NA	Comments
h. Quik-Combo/Std Paddles Remote Sync Test.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
i. Standard Paddles User Test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
j. Pacer Leads Off Detection Test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
k. Pacer Current Test at 10mA Test	Measured Value (mA)	_____		_____
l. Pacer Current Test at 100mA Test	Measured Value (mA)	_____		_____
m. Pacer Current Test at 200mA Test	Measured Value (mA)	_____		_____
n. Pacer Pulse Width at 200mA Test	Measured Value (mS)	_____		_____
o. Patient Impedance Test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

12 Electrical Safety Tests

a. Protective Earth Resistance Test				
a. Resistance of detachable AC power cord	Measured Value (Ω)	_____		_____
b. Resistance of detachable AC power cord & device	Measured Value (Ω)	_____		_____
c. Resistance of device only (subtract (a) from (b))	Measured Value (Ω)	_____		_____
b. Direct Equipment Leakage Test at Single Fault Condition (SFC)/ Normal Polarity	Measured Value (μA)	_____		_____
c. Direct Equipment Leakage Test at Single Fault Condition (SFC)/ Reverse Polarity	Measured Value (μA)	_____		_____
d. Direct Applied Part Leakage Test –ECG/ Normal Polarity	Measured Value (μA)	_____		_____
e. Direct Applied Part Leakage Test –ECG/ Reverse Polarity	Measured Value (μA)	_____		_____
f. Direct Applied Part Leakage Test -Therapy/ Normal Polarity	Measured Value (μA)	_____		_____
g. Direct Applied Part Leakage Test -Therapy/ Reverse Polarity	Measured Value (μA)	_____		_____
h. Direct Applied Part Leakage Test -SPO2/ Normal Polarity	Measured Value (μA)	_____		_____
i. Direct Applied Part Leakage Test -SPO2/ / Reverse Polarity	Measured Value (μA)	_____		_____
j. Earth Leakage Test at Normal Condition (NC)/Normal Polarity	Measured Value (μA)	_____		_____
k. Earth Leakage Test at Normal Condition (NC)/Reverse Polarity	Measured Value (μA)	_____		_____
l. Earth Leakage Test at Single Fault Condition (SFC)/ Normal Polarity	Measured Value (μA)	_____		_____
m. Earth Leakage Test at Single Fault Condition (SFC)/ Reverse Polarity	Measured Value (μA)	_____		_____