

HeartStart MRx Skills Checklist

This checklist assesses qualified medical personnel's understanding of MRx operation after instructor-based training. Perform a quick skills assessment using the General Skills checklist below or a more extensive assessment using the Detailed Skills checklist starting on Page 2.

General Skills

DEMONSTRATES BASIC UNDERSTANDING OF:

Device controls, buttons, indicators, and connectors	☐ yes	☐ no	
ECG monitoring	☐ yes	☐ no	
SpO ₂ monitoring	☐ yes	☐ no	☐ n/a
EtCO ₂ monitoring	☐ yes	☐ no	☐ n/a
NBP monitoring	☐ yes	☐ no	☐ n/a
Invasive pressure monitoring	☐ yes	☐ no	☐ n/a
Temperature monitoring	☐ yes	☐ no	☐ n/a
Trending report	☐ yes	☐ no	
12-Lead acquisition	☐ yes	☐ no	☐ n/a
Data transmission	☐ yes	☐ no	☐ n/a
Works with data reports	☐ yes	☐ no	
Manual Defibrillation Mode	☐ yes	☐ no	
Synchronized cardioversion	☐ yes	☐ no	
AED Mode	☐ yes	☐ no	
Q-CPR	☐ yes	☐ no	☐ n/a
Noninvasive pacing	☐ yes	☐ no	☐ n/a
Intellivue networking	☐ yes	☐ no	☐ n/a
MRx maintenance	☐ yes	☐ no	

Student: _____

Educator Name: _____
(printed)

Educator Signature: _____ Date: _____

Detailed Skills

LOCATES:

RFU Indicator	☐ yes	☐ no
External Power Indicator	☐ yes	☐ no
Mark Event button	☐ yes	☐ no
Lead Select button	☐ yes	☐ no
Soft key buttons	☐ yes	☐ no
Summary button	☐ yes	☐ no
Alarm Pause button	☐ yes	☐ no
Menu Select button	☐ yes	☐ no
Navigation buttons	☐ yes	☐ no
Therapy Knob	☐ yes	☐ no
Charge button	☐ yes	☐ no
Shock button	☐ yes	☐ no
Sync button	☐ yes	☐ no
Print button	☐ yes	☐ no

IDENTIFIES INFORMATION DISPLAYED IN MONITOR MODE:

Mark Event button label	☐ yes	☐ no	
Date & Time	☐ yes	☐ no	
Battery icons	☐ yes	☐ no	
INOP & Alarm areas	☐ yes	☐ no	
Event timer	☐ yes	☐ no	
Heart rate	☐ yes	☐ no	
Wave sectors 1-4	☐ yes	☐ no	
Parameter blocks	☐ yes	☐ no	
Patient category	☐ yes	☐ no	
Patient name	☐ yes	☐ no	☐ n/a
12-Lead soft key	☐ yes	☐ no	☐ n/a
NBP soft key	☐ yes	☐ no	☐ n/a

INTERACTS WITH WAVES:

Changes lead and/or parameter waves displayed in Wave Sectors 1-4	☐ yes	☐ no
Changes waveform(s) printed in Wave Sector 2 (for 50mm printer) or Wave Sectors 2 and 3 (for 75mm printer)	☐ yes	☐ no

INTERACTS WITH ALARMS:

Differentiates function of audio pause versus alarm pause	☐ yes	☐ no
Identifies alarm pause duration message on the display	☐ yes	☐ no
Identifies alarm icon and status	☐ yes	☐ no
Identifies where alarms and inops are displayed	☐ yes	☐ no
Identifies the source of an alarm message	☐ yes	☐ no

MONITORS ECG:

Activates Monitor Mode	☐ yes	☐ no
Connects an ECG cable	☐ yes	☐ no
Selects desired lead in wave sector 1	☐ yes	☐ no
Changes the ECG size in wave sector 1	☐ yes	☐ no
Identifies alarm settings and status of alarms (on or off)	☐ yes	☐ no
Acknowledges alarms using Menu Select and Navigation buttons	☐ yes	☐ no
Changes HR alarm limits	☐ yes	☐ no
Changes VTACH alarm limits	☐ yes	☐ no
Displays an annotated ECG	☐ yes	☐ no
Initiates arrhythmia relearning	☐ yes	☐ no

MONITORS SpO₂:

Connects the SpO ₂ cable	☐ yes	☐ no
Identifies SpO ₂ and pulse rate values on the display	☐ yes	☐ no
Identifies SpO ₂ and pulse alarm settings on the display	☐ yes	☐ no
Identifies the pleth wave	☐ yes	☐ no

☐ Option **not available**

MONITORS EtCO₂:

Attaches FilterLine tubing to EtCO ₂ inlet port	☐ yes	☐ no
Identifies the EtCO ₂ and AwRR values on the display	☐ yes	☐ no
Changes the apnea alarm	☐ yes	☐ no
Displays the EtCO ₂ waveform in a wave sector	☐ yes	☐ no

☐ Option **not available**

MONITORS NONINVASIVE BLOOD PRESSURE:

☐ Option **not available**

Attaches cuff to NBP tubing	☐ yes	☐ no
Connects the NBP tubing to the MRx	☐ yes	☐ no
Applies the appropriate cuff size	☐ yes	☐ no
Initiates a manual measurement	☐ yes	☐ no
States the NBP reading and alarm settings (as displayed)	☐ yes	☐ no
Changes alarm parameter from the default	☐ yes	☐ no
States the current NPB schedule (as displayed)	☐ yes	☐ no
Changes the NPB schedule	☐ yes	☐ no
Identifies minute interval that NBP values are removed from the display if no subsequent measurements are taken	☐ yes	☐ no

MONITORS INVASIVE PRESSURE:

☐ Option **not available**

Connects the pressure cable(s) to the transducer	☐ yes	☐ no
Connects the pressure cable(s) to the MRx	☐ yes	☐ no
Selects the pressure(s) to monitor and appropriate label and wave scale	☐ yes	☐ no
Identifies two ways to zero a pressure channel	☐ yes	☐ no
Identifies the pressure measurements, waveforms, and alarm settings (as displayed)	☐ yes	☐ no
Changes the alarm source	☐ yes	☐ no
Changes the pulse source to an existing pressure	☐ yes	☐ no

MONITORS TEMPERATURE:

☐ Option **not available**

Connects the temperature cable to the MRx	☐ yes	☐ no
Selects a temperature label to monitor	☐ yes	☐ no
Identifies the temperature reading and alarm settings (as displayed)	☐ yes	☐ no
Changes the alarm limits	☐ yes	☐ no

INTERACTS WITH VITAL SIGNS TRENDING REPORT:

☐ Option **not
available**

Displays vital signs trending report	☐ yes	☐ no
Identifies various report contents (e.g., vitals monitored, units of measure, time intervals, etc.)	☐ yes	☐ no
Scrolls through report	☐ yes	☐ no
Changes trend time interval	☐ yes	☐ no
Prints a copy of the trending report	☐ yes	☐ no

ACQUIRES A 12-LEAD ECG:

☐ Option **not
available**

Connects a 10-lead patient cable	☐ yes	☐ no	
Accesses the 12-lead function	☐ yes	☐ no	
Acquires a 12-lead ECG	☐ yes	☐ no	
Acquires a 12-lead ECG with ACI-TIPI analysis	☐ yes	☐ no	☐ n/a
Acquires a 12-lead ECG with ACI-TIPI and TPI analysis	☐ yes	☐ no	☐ n/a
Prints a copy of the 12-lead ECG	☐ yes	☐ no	

TRANSMITS DATA REPORTS:

☐ Options **not
available**

Bluetooth transmission

☐ n/a

Sets up transmission by adding and pairing a Bluetooth device with the MRx, and changing the Bluetooth device profile, as needed	☐ yes	☐ no
Transmits a 12-lead ECG or Event Summary to receiving destination	☐ yes	☐ no
Transmits PCDT to appropriate destination	☐ yes	☐ no

Wireless Link transmission

☐ n/a

Ensures Wireless Link device is properly connected and identifies device indicators	☐ yes	☐ no
Transmits a 12-lead ECG or Event Summary to receiving destination	☐ yes	☐ no
Transmits PCDT to an appropriate destination	☐ yes	☐ no

Batch LAN data transfer

☐ n/a

Sets up transfer with appropriate cable connection	☐ yes	☐ no
Confirms Data Messenger is running	☐ yes	☐ no
Transfers an event summary	☐ yes	☐ no

WORKS WITH MRx DATA:

Copies event data to external data card	☐ yes	☐ no
Views and erases external data card	☐ yes	☐ no
Prints various data reports during an event	☐ yes	☐ no
Prints an Event Summary, Trends, and/or specific 12-Lead Report in Data Management Mode	☐ yes	☐ no
Marks an event	☐ yes	☐ no

DEMONSTRATES MANUAL MODE:

Identifies the type of waveform produced by MRx as low-energy biphasic	☐ yes	☐ no
States recommended energy setting for adult defibrillation	☐ yes	☐ no
Applies multifunction electrode pads in correct position	☐ yes	☐ no
Connects a therapy cable	☐ yes	☐ no
Selects the desired energy	☐ yes	☐ no
Locates the Shock Status area and identified selected energy and number of shocks delivered	☐ yes	☐ no
Charges the defibrillator	☐ yes	☐ no
Identifies the disarm soft key	☐ yes	☐ no
Delivers a shock	☐ yes	☐ no
Turns on and off the Sync function	☐ yes	☐ no
Identifies R-wave markers	☐ yes	☐ no
For synchronized cardioversion, states the shock button must be held until the energy is delivered	☐ yes	☐ no
Uses navigation buttons to increase or decrease energy settings 10J or less	☐ yes	☐ no
Locates pediatric paddles	☐ yes	☐ no
Reactivates alarms	☐ yes	☐ no

DEMONSTRATES AED MODE:

Identifies patient criteria for AED use	☐ yes	☐ no
Connects the pads therapy cable	☐ yes	☐ no
Applies multifunction electrode pads in correct position	☐ yes	☐ no
Activates AED Mode	☐ yes	☐ no
Follows prompts	☐ yes	☐ no
Delivers a shock when prompted	☐ yes	☐ no

DEMONSTRATES Q-CPR IN MANUAL MODE:

Connects the Pads/CPR cable	☐ yes	☐ no
Connects the CPR meter (or compression sensor)	☐ yes	☐ no
Connects the CPR meter (or compression sensor) adhesive pad	☐ yes	☐ no
Applies multifunction electrode pads in correct position	☐ yes	☐ no
Applies the CPR meter (or compression sensor) in correct position	☐ yes	☐ no
Identifies the Start CPR and Stop CPR soft keys	☐ yes	☐ no
Activates Q-CPR	☐ yes	☐ no
Performs compressions using the CPR meter (or compression sensor)	☐ yes	☐ no
Performs ventilations	☐ yes	☐ no
Identifies compression, No Flow Time, and ventilation values on the MRx display	☐ yes	☐ no
Identifies the compression and/or invasive pressure waveform	☐ yes	☐ no
Identifies ventilation detection icon	☐ yes	☐ no
Identifies audio feedback prompts	☐ yes	☐ no
Identifies CPR meter display data	☐ yes	☐ no
Deactivates Q-CPR	☐ yes	☐ no

☐ Option **not available**

☐ n/a

DEMONSTRATES Q-CPR IN AED MODE:☐ Option **not available**Connects the Pads/CPR cable ☐ yes ☐ noConnects the CPR meter (or compression sensor) ☐ yes ☐ noConnects the CPR meter (or compression sensor) adhesive pad ☐ yes ☐ noApplies multifunction electrode pads in correct position ☐ yes ☐ noApplies the CPR meter (or compression sensor) in correct position ☐ yes ☐ noIdentifies the Pause for CPR soft key ☐ yes ☐ noBasic CPR View☐ n/aActivates Q-CPR ☐ yes ☐ noPerforms compressions using the CPR meter (or compression sensor) ☐ yes ☐ noPerforms ventilations ☐ yes ☐ noIdentifies text feedback prompts on the display ☐ yes ☐ noIdentifies audio feedback prompts ☐ yes ☐ noIdentifies CPR meter display data ☐ yes ☐ no ☐ n/aAdvanced CPR View☐ n/aActivates Q-CPR ☐ yes ☐ noPerforms compressions using the CPR meter (or compression sensor) ☐ yes ☐ noPerforms ventilations ☐ yes ☐ noIdentifies compression, No Flow Time, and ventilation values on the MRx display ☐ yes ☐ noIdentifies the compression waveform ☐ yes ☐ noIdentifies ventilation detection icon ☐ yes ☐ noIdentifies audio feedback prompts ☐ yes ☐ noIdentifies CPR meter display data ☐ yes ☐ no ☐ n/a

DEMONSTRATES PACING FUNCTION:☐ Option **not available**

States when paced pulses are delivered in demand mode versus in fixed mode	☐ yes	☐ no
If A/P pad position is chosen when using Philips pads, identifies the sternal pad as the posterior pad	☐ yes	☐ no
Applies multifunction electrode pads in correct position	☐ yes	☐ no
Connects the appropriate cables for demand mode pacing	☐ yes	☐ no
States criteria for selecting a lead	☐ yes	☐ no
Activates Pacing Mode	☐ yes	☐ no
Identifies R-wave markers and states where they should appear	☐ yes	☐ no
Identifies white pacing markers	☐ yes	☐ no
Able to increase and decrease pacer output and rate to obtain capture	☐ yes	☐ no
Verifies peripheral pulse at capture	☐ yes	☐ no
Locates area of display where pacing on battery message is shown (when applicable)	☐ yes	☐ no

DEMONSTRATES INTELLIVUE NETWORKING:☐ Option **not available**

Identifies IntelliVue Networking display data (including wired and wireless icons)	☐ yes	☐ no
Identifies how to connect the MRx to the IntelliVue Network for wired and wireless configurations	☐ yes	☐ no
Admit, discharge, and transfer a patient to and/or from the IntelliVue Information Center and MRx	☐ yes	☐ no
Identifies data and information MRx shares with the IntelliVue Information Center	☐ yes	☐ no

MAINTAINS THE MRx:

Completes the shift checklist	☐ yes	☐ no	☐ n/a
Completes a weekly shock test	☐ yes	☐ no	☐ n/a
Runs an Operational Check with the appropriate accessories and responds when prompted	☐ yes	☐ no	☐ n/a
States the procedure for charging batteries	☐ yes	☐ no	☐ n/a
Inserts paper into the printer	☐ yes	☐ no	☐ n/a
Describes the RFU status that indicates the MRx is ready for use	☐ yes	☐ no	☐ n/a
Describes the other RFU statuses and the action(s) required	☐ yes	☐ no	☐ n/a
States acceptable MRx cleaning solutions	☐ yes	☐ no	☐ n/a

Student: _____

Educator Name:
(printed) _____

Educator Signature: _____

Date: _____

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