

Basic Skills Checklist KEY

Evita 4 PWS

This Skills Checklist is provided for information purposes only, focuses on the Draeger Medical product referenced and related concepts, and is not a substitute for reading the applicable Instructions for Use. The skills checklist assists in training how to use or operate this product. It does not address issues of medical practice or clinical judgement related to the use of this product.

The checklist is intended only as a suggestion for your consideration; it may or may not be consistent with your institutional expectations for staff competency. It is the responsibility of each institution or provider to make their own determinations regarding matters of training and clinical protocol for their employees and the products that they use.

Skill	Answers
Mount exhalation valve.	<ol style="list-style-type: none">1. Hold valve with blue end to your left.2. Insert into machine until valve clicks.
Install flow sensor.	<ol style="list-style-type: none">1. Place flow sensor horizontally into connection.2. Slide sensor to the right fitted into blue end of the exhalation valve.
Connect circuit and humidifier to ventilator.	<ol style="list-style-type: none">1. Connect patient circuit per policy, inspiratory side is on the right.
Turn ventilator ON and select ADULT Patient configuration.	<ol style="list-style-type: none">1. Press ON button on the upper back left of the machine. The plastic cover will come down to cover the button. The device performs a self check, when completed the standby screen will display.2. Press Standby key and hold, machine will alarm standby activated3. Touch Alarm reset and confirm to acknowledge the alarm.4. Select Adult and confirm
Perform device check.	<ol style="list-style-type: none">1. In the Standby screen find the Device Check key in the lower right corner.2. Touch DEVICE CHECK key to open device check screen.3. Touch CHECK. Follow prompts in lower right corner4. After the Device Check is completed, an Airtight Check is recommended.5. Touch AIR TIGHT CHECK and follow the prompts in the lower right corner.
Set MODE to CMV.	<ol style="list-style-type: none">1. Touch the settings keys, or press the mode settings key on the upper right hand side of the monitor, modes will appear along the right side of the screen.2. Touch CMV mode (it will turn yellow)3. Confirm by pressing the rotary knob.
Set FIO ₂ to 80%.	<ol style="list-style-type: none">1. Touch the FIO₂ button on the screen (it will turn yellow).2. Adjust up or down with the rotary knob.3. When 80% is displayed, press in the rotary knob to confirm.
Set INSPIRATORY TIME to 1.2 seconds.	<ol style="list-style-type: none">1. Touch the Tinsp button on the screen (it will turn yellow).2. Adjust up or down with the rotary knob.3. When 1.2 sec is displayed, press in the rotary knob to confirm.
Set TIDAL VOLUME (VT) to 500ml.	<ol style="list-style-type: none">1. Touch the VT button on the screen (it will turn yellow)2. Adjust up or down with the rotary knob.3. When 500 is displayed, press in the rotary knob to confirm.
Set PEEP to 5cm H ₂ O.	<ol style="list-style-type: none">1. Touch the PEEP button on the screen (it will turn yellow).2. Adjust up or down with the rotary knob.3. When 5cm is displayed, press in the rotary knob to confirm.
Turn AUTOFLOW and ATC Off.	<ol style="list-style-type: none">1. Touch Extra Settings this will bring up other functions.2. Touch the AutoFlow key.3. Touch off, it will turn yellow, then confirm with the rotary knob.4. Do the same with the ATC tab.
Set FLOW to 50LPM.	<ol style="list-style-type: none">1. Go back to basic settings by touching the key.2. Touch the Flow button on the screen, it will turn yellow.3. Adjust to 50 lpm then confirm with the rotary knob.

Skill

Set MINUTE VOLUME (MV) alarms.
High alarm - 20.0L and Low alarm - 2.0L.

Answers

1. Press the **alarm limits** soft key on the upper right side of the monitor.
The alarm screen will appear.
2. Touch the **MV high limit**, adjust to 20.0 L and confirm with the rotary knob.
3. Touch the **MV low limit**, adjust to 2.0 L and confirm with the rotary knob.

Set High PRESSURE alarm at 15cm H₂O
H₂O above Peak Pressure.

1. Press **Alarm Limits** soft key, opening alarm limits menu.
2. Touch the **High Pressure** alarm it will turn yellow
3. Set the alarm to 15cm H₂O above the **Peak Pressure** with the rotary knob
4. Confirm with the rotary knob.

Note: Alarm will activate when pressure reaches 5cm H₂O below the set High Pressure alarm value.

Set High TIDAL VOLUME alarm at 1500ml.

1. Press **Alarm Limits** soft key, opening alarm limits menu.
2. Touch **Vti high alarm** it will turn yellow.
3. Set the alarm to 1500ml with the rotary knob
4. Confirm with the rotary knob.

Note: If tidal volume reaches 1500ml the ventilator will terminate inspiration and start expiration to protect from over inflation.

Set High SPONTANEOUS RATE
alarm at 30 bpm.

1. Press the **Alarm Limits** soft key, opening alarm limits menu.
2. Touch the **fspn alarm**, it will turn yellow.
3. Set the fspn to 30 bpm with the rotary knob.
4. Confirm with the rotary knob

Describe LOW PRESSURE alarm set-up.
Describe APNEA VENTILATION set-up.

Low Pressure alarm is automatically set 5cm above the set PEEP parameter.

1. Change mode to SIMV
2. Touch the **Mode Settings** soft key to open mode and parameters menu.
3. Touch **Extra Settings** to open menu.
4. Touch the **Apnea ventilation** key.
5. Touch **Vt** and dial in 500ml with rotary knob and confirm.
6. Touch **f** and dial in 14 with rotary knob and confirm.

Note: Apnea ventilation is activated to volume controlled mandatory breathing if the patient stops breathing.

Demonstrate AUTOFLOW activation.

1. Press the **Mode Settings** soft key to open mode and parameters menu.
2. Touch **Extra Settings** to open menu.
3. Touch **AutoFlow key**.
4. Select **On** and confirm with rotary knob
5. Check for **AutoFlow** in mode window in upper middle status bar in volume modes and removal of flow key from parameters' menu.

Note: AutoFlow adjusts inspiratory flow to the patient's needs, minimizes airway pressure to deliver set tidal volume, and allows free breathing. AutoFlow can be turned on/off in Volume Modes and is always on in PCV Modes.

Set-up to deliver P_{supp} with CPAP @ 5cm
H₂O & P_{supp}. 0.

1. Press the **Mode Settings** soft key to open mode and parameters menu.
2. Touch the **CPAP/P_{supp}** mode key and confirm.
3. Touch the **PEEP** key and dial in 5cm H₂O with the rotary knob and confirm.
4. Touch the **P_{supp}** key and dial in 0cm H₂O with the rotary knob and confirm.

Activate AUTOMATIC TUBE COMPENSATION

1. Press the **Mode Settings** screen key.
2. Touch **Extra settings**.
3. Touch **ATC**.
4. Touch **Trach** for tube type of patient airway and confirm with rotary knob.
5. Touch **ID** and dial in 6.0 for inside tube diameter in mm and confirm with rotary knob.
6. Touch **Comp** and dial in 100% for degree of tube compensation and confirm with rotary knob
7. Touch **ON** and confirm with rotary knob.

Note: There will now be a tube symbol and diameter in the status line. The tracheal pressure is calculated by the Evita 4 and displayed as a green line in the pressure waveform together with the pressure at the Y-piece.

Skill	Answers
Turn ATC Off.	<ol style="list-style-type: none"> 1. Press the Mode Settings soft key. 2. Touch Extra Settings 3. Touch ATC. 4. Touch OFF and confirm with rotary knob.
Calibrate flow sensor.	<ol style="list-style-type: none"> 1. Press the Calibration soft key. 2. Touch Flow key. 3. Touch Calibrate. 4. Status of test is in bottom right hand corner of screen. <p>Note: Everyday at 11:00 AM the ventilator automatically calibrates the flow sensor and notes the calibration in the Logbook. Flow sensor can be calibrated at any time, even during ventilation.</p>
Calibrate O ₂ sensor.	<ol style="list-style-type: none"> 1. Press the Calibration soft key. 2. Touch O₂ key. 3. Touch Calibrate, then Start. 4. Status of test is in bottom right hand corner of screen. <p>Note: Everyday at 11:00 AM the ventilator automatically calibrates the O₂ sensor once a day and notes the calibration in the Logbook. O₂ sensor can be calibrated at any time with no change to patient's set FIO₂.</p>
Activate and explain function - PEEPi.	<ol style="list-style-type: none"> 1. Touch Special Procedures soft key 2. Touch PEEPI. 3. Touch Start and confirm. <p>Note: The function of PEEPi is to measure intrinsic PEEP. The difference between PEEPi and the set PEEP is Auto PEEP and the Vtrap is the amount of volume trapped with this Auto PEEP. Both values are displayed.</p>
Activate and explain function - P.01	<ol style="list-style-type: none"> 1. Touch Special Procedures soft key 2. Touch P.01. 3. Touch Start and confirm. <p>Note: The function of P.01 is to measure the neuromuscular breathing drive to estimate the likelihood of successful weaning from the ventilator. Normal pressure is 2 to 6 cmH₂O.</p>
Access Data Screen; explain function of	<ol style="list-style-type: none"> 1. Touch the Values Measured soft key. 2. Go into the Data menu you wish to view. (Values, Logbook, Trends) <p>Note: Tables 1 and 2 displays all measured values and settings for facilitating documentation.</p> <p>Logbook records settings, changes, events and alarms and lists them in chronological order with time of occurrence. Turn rotary knob to get to specific entry.</p> <p>Trends displays two trends with a common scale. Touching the folder tab will open up to give a choice of 2 trends to change the display. (Total of 8 to monitor) The displays will show 1, 3, 6, 12, 24 hr increments. Turning the knob will place the cross hair cursor over a desired time and give numerical data from that point on the waveform</p>