HACKETTSTOWN REGIONAL MEDICAL CENTER
CARDIO PULMONARY POLICY MANUAL
CALIBRATION AND CALIBRATION VERIFICATION

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Purpose: Calibration is the process of establishing a relationship between the electronic signal from a sensor and known concentration of a calibration solution.
Calibration Verification confirms that the instrument calibration for each parameter has remained stable throughout the reportable range.

Procedure: There are three types of calibrations run on the Rapidpoint 405.
A 1 point, a 2 point calibration, and a full calibration.
The system automatically calibrates the sensors every 30 minutes with a 1 point calibration. A 1 point calibration adjusts either the offset or the slope drift for a parameter by measuring one reagent of known concentration.
Every fourth calibration is a 2 point calibration and every fourth 2 point calibration is a full calibration. A 2 point calibration adjusts both the offset and the slope drift for a parameter by measuring two reagents of know concentration. On Rapidpoint 405, every 2 point calibration also measures the zero for tHB, and every full calibration measures the zero and slope for the tHB. Contact technical support for troubleshooting/assistance.

Calibration Verification is performed twice per year.
Demonstrate the lowest and the highest values that can be confidently reported for each parameter.
Obtain the Calibration Verification Kit p/n 116189.
Follow the manufacturer's instructions for running the CVM samples.