

Student: _____ Level: EMT- I A CC P Date: _____
Time

Evaluator: _____ Start: _____ End: _____ Total: _____ Pass/Fail _____

Skill Sheet 10: End Tidal Capnography

Conditions	The candidate should perform this skill on a simulated patient in a sitting or supine position under existing indoor, ambulance, or outdoor lighting, temperature and weather conditions.
Indications	Patients with respiratory or cardiopulmonary compromise in whom ETCO ₂ monitoring would be beneficial.
Red Flags	None

Don appropriate standard precautions	
Patient Education	
Explain procedure to patient	
Equipment	
Activate ETCO ₂ unit and allow to warm up (if necessary)	
Zero machine (if not done automatically)	
<i>Mainstream:</i>	
Attach disposable ETCO ₂ sensor to cable	
Mainstream sensor applied to a bag-mask device, or applied to a bag connected to an ETT	
<i>Sidestream:</i>	
Connect tubing to port on capnography unit	
Sidestream device may be incorporated into a special nasal cannula	
Procedure	
Apply device to patient's oxygen delivery system	
Utilize oxygenation and ventilatory devices in normal fashion	
Monitor ETCO ₂ on display screen	
Record unit readings (normal range 35-45 mm Hg)	
Evaluate curve shape (normal is squared off)	
Set alarm parameters to desired limits (minimum and maximum desired ETCO ₂ levels)	
Adjust oxygen concentration and/or ventilatory rate as applicable (based on local protocols)	
Reassessment	
Monitor patient status and reassess following any changes in O ₂ concentration or ventilatory rate	

Critical Criteria:

- ___ Use appropriate standard precautions
- ___ Allow unit to warm up and zero out before use if necessary
- ___ Incorporate CO₂ measurements into treatment