

**DEMCA Education Task Force**  
**Basic EMT Epinephrine Study (BEES)**  
**Education Update December 2016**

**Pediatric Practical Skill Assessment Form** Name: \_\_\_\_\_

**IM Administration - Epinephrine 1 mg/mL**

<b>Tasks:</b> Specific and measurable actions/objectives	<ul style="list-style-type: none"> <li>• Correctly identify a patient that should be given epinephrine.</li> <li>• Utilize standardized length based tool to accurately estimate weight.</li> <li>• Draw up epinephrine using the DEMCA Epi-Kit contents.</li> <li>• Administer simulated epinephrine (normal saline solution) to a simulated patient (manikin or other training device) via the intramuscular route.</li> </ul>
<b>Conditions:</b> Variables that contribute to completion of the tasks	Given, a simulated patient with signs of anaphylaxis or impending respiratory failure due to bronchospasm; EMS partner(s); an applicable scenario; the Epi-Kit; and additional EMS equipment provided by the instructor.
<b>Standard:</b> Protocols that are applicable to completion of the tasks	Applicable protocols: <ul style="list-style-type: none"> <li>• Pediatric Anaphylaxis (Pediatric Treatment 3-2)</li> <li>• Pediatric Bronchospasm (Pediatric Treatment 3-4)</li> </ul>

<b>Task</b>	<b>Complete</b>	<b>Incomplete</b>
<i>EMS provider(s) should begin by completing an initial patient assessment of a patient with signs of anaphylaxis or bronchospasm. The EMS provider must identify and treat all life threats and request additional resources (ALS and/or PD) prior to drawing up, and administering epinephrine IM.</i>		
1. Determine that epinephrine IM is indicated by patient presentation and DEMCA Protocol. Utilize standardized length based tool to accurately estimate weight. Utilize BEES Card for IM injection overview.		
2. Remove clothing to expose the patient's thigh.		
3. Locate the correct injection site in the vastus lateralis.		
4. Cleanse the site with alcohol prep.		
5. Using a needle connected to a 1 mL syringe, draw up the appropriate dose of epinephrine from a vial containing 1 mg/mL. ( <i>Utilize BEES Card for dosing</i> ) <ol style="list-style-type: none"> <li>a. Attach the needle to a 1 mL syringe.</li> <li>b. Pull the plunger of the 1 mL syringe so that it rests at the .15 mL mark.</li> <li>c. Puncture the vial with the needle attached to the syringe, and then flip the vial upside down.</li> <li>d. Push the plunger so that .15 mL of air is injected into the vial.</li> <li>e. Draw up .15 mL of epinephrine.</li> <li>f. Verify medication and dosage with a partner</li> </ol>		
6. Squeeze the muscle to increase the size and depth of the injection site.		
7. Insert the needle in a smooth motion at a 90° angle.		
8. Draw back on the syringe and verify that blood is not present.		
9. Administer the medication.		
10. Remove the needle and place it directly into a sharps container.		
11. Place a bandage over the site		
12. Reassess the patient 3 to 5 minutes later for the desired effect.		

**Evaluator's Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_