

## MODEL PROTOCOL

### EPINEPHRINE AUTO-INJECTOR AUVI-Q®

Disclaimer: NASN's model protocols and/or language are intended as examples that may serve as a tool for those responsible for drafting protocols that meet the needs of a local school or district. These examples are not authoritarian, nor should they be viewed as complying with any requirements specific or unique to any school or district. Model policies and language should not substitute or replace the advice of legal counsel and/or research on applicable federal or local laws, regulations or ordinances.

#### Needed Supplies:

- Severe Allergic Reaction Medication (AUVI-Q®)
- Gloves
- Approved Sharps Container
- Alcohol Pad (if possible)
- Band-Aid (if possible)

#### Storage:

- Store AUVI-Q at 68° to 77°F (20° to 25°C).
- Do NOT expose to extreme heat or cold.
  - For example, do NOT store in your vehicle's glove compartment.
- Do not store AUVI-Q in the refrigerator or freeze.
- Examine contents in the viewing window periodically. Solution should be clear. If the solution is discolored (pinkish color or darker than slightly yellow), cloudy or contains solid particles, replace the unit.
- Your AUVI-Q has an expiration date. Replace it before the expiration date.
- Keep AUVI-Q in the outer case it comes in to protect it from light.

#### Procedure for Medication Administration:

1. Identify that symptoms of a severe allergic reaction are present and that based on the child's severe allergic reaction emergency action plan, medication needs to be given.
2. Call for assistance. Ask that another school staff personnel call 911 or emergency medical services and notify parent.
3. Remove other students from the area, as necessary.
4. Gather needed supplies and place on a clean surface near the student.
5. Explain the procedure to the child at his/her level of understanding.
6. Position student, providing as much privacy as possible.
7. Depending on the age of the student and his/her cooperation level, you may need to stabilize the leg before injecting, so that the child does not kick or move the leg during injection.
  - a. You may need to ask someone else to assist you with this.

8. Review the following documents:
  - a. medication administration form
  - b. healthcare provider or district protocol/plan form
  - c. parent/guardian consent form, if available.
9. Check the medication to be sure it is
  - a. for the right child
  - b. the right medication
  - c. the right dose (an approximation of the child's weight may be needed, if using a stock epinephrine auto-injector)
  - d. being given at the right time
  - e. being given by the right route
  - f. not expired.
10. Wash your hands, if possible.
  - a. In a true emergency situation, there may not be time to do this step.
11. Put on gloves.
12. Pull AUVI-Q® up from the outer case.
13. Pull red safety guard down and off of AUVI-Q®.
  - a. The red safety guard is made to fit tightly. Pull firmly to remove.
  - b. To reduce the chance of an accidental injection, do not touch the black base of the auto-injector, which is where the needle comes out.
  - c. If an accidental injection happens, get medical help right away.
14. Place black end of AUVI-Q® against the middle of the outer thigh, then push firmly until you hear a click and hiss sound, and hold in place for 2 seconds.
15. Place the used AUVI-Q® it into an appropriate sharps container or hand to emergency medical responders.
16. Follow up with the parent or guardian and healthcare provider, as needed.
17. Document medication administration in student's medication administration log.

## References:

- Butler, S.M., Boucher, E.A., Tobison, J., & Phan, H. (2020). Medication use in schools: Current trends, challenges, and best practices. *J Pediatr Pharmacol Ther.*, 25(1): 7–24. doi: 10.5863/1551-6776-25.1.7
- Campbell, R.L., & Kelso, J.M. (2020). Anaphylaxis: Emergency treatment in a R.M. Walls and A.G. Randolph (Eds.) *UpToDate*. Retrieved: April 22, 2020.
- Campbell, R.L., & Kelso, J.M. (2020). Prescribing epinephrine for anaphylaxis self-treatment In a A.M. Feldweg (Ed.) *UpToDate*. Retrieved: April 22, 2020.
- Food Allergy Research & Education (2015). *Food allergy & anaphylaxis emergency care plan*. Retrieved May 1, 2020, from <http://www.foodallergy.org/file/emergency-care-plan.pdf>
- Food Allergy Research & Education (2015). *Symptoms*. Retrieved May 1, 2020, from <http://www.foodallergy.org/symptoms>
- kaleo, Inc. (2020). *AUVI-Q® (epinephrine injection, USP) administers epinephrine in 3 steps*. Retrieved on April 22, 2020, from <https://www.auvi-q.com/hcp/about-auvi-q#administration>.
- National Association of School Nurses (2015). *Get trained: Training tools*. Retrieved on May 1, 2020, from <https://www.nasn.org/ToolsResources/FoodAllergyandAnaphylaxis/GetTrained/TrainingTools>.