

Vaccine Management Plan

Kentucky Department for Public Health

Immunization Program



Provider/Practice Name: _____ VFC PIN: _____

Personnel:

1. _____ is the Vaccine Coordinator for this office. He/She will be responsible for ensuring that vaccines are handled and stored appropriately, that all necessary documentation is completed and that all staff are properly trained in the handling and storage of vaccines.
2. _____ will serve as back-up Vaccine Coordinator.
3. All personnel will receive annual education on proper vaccine storage and handling.
4. All personnel who handle vaccines will refer to this plan when necessary.
5. This vaccine management plan will be updated at least annually or with any change in personnel.

Equipment:

1. Stand-alone refrigerators where vaccines are stored will be capable of maintaining temperatures between 36° F to 46° F (2° C to 8° C).
2. Stand-alone freezers in which vaccines are stored will be capable of maintaining temperatures below 5° F (-15° C).
3. No refrigerator or freezer will be connected to an outlet with a ground-flow circuit interrupter or one activated by a wall switch. Additionally, the storage units will be plugged directly into the wall outlet without the use of extension cords or power strips.
4. Every refrigerator and freezer unit will be equipped with a calibrated digital data logging thermometer that has a current Certificate of Traceability and Calibration and an external detachable probe in glycol. Thermometer probes are to be located in the center of the storage compartment.
5. Temperature logs provided by the Kentucky Immunization Program will be used to record refrigerator and freezer temperatures twice a day and minimum and maximum temperatures reached in the previous 24 hours. These temperature logs must be kept for a minimum of three years.
6. Bottles of water will be placed in the refrigerators and freezers to help stabilize temperatures.
7. "Do Not Unplug" stickers will be placed on the storage unit, by the wall plug and on the circuit breaker box.
8. For manual defrost storage units, frozen vaccines will be stored in _____
_____ during defrosting. (or write 'not applicable' if it is an auto-defrosting storage unit).

Procedures:

1. Accepting a vaccine shipment

- a. Examine shipping container for any evidence of damage during transport.
- b. Examine cold-chain monitor cards for any evidence of exposure to out-of range temperatures.
- c. Do not accept shipment if reasonable suspicion exists that the delivered product may have been mishandled.
- d. Contact the manufacturer when circumstances raise questions about the efficacy of a delivered vaccine. Follow manufacturer's recommendations.
- e. Check expiration date to make sure vaccine has not expired.
- f. Place in appropriate storage immediately.

2. Refrigerator and Freezer Monitoring

- a. Assess and record the temperatures of each refrigerator and freezer twice per day. Temperatures should be measured at the start and end of the clinic day. Also document the minimum and maximum temperatures reached in the previous 24 hours and document on the temperature log.
- b. If refrigerator temperatures are not between 36° F to 46° F (2° C to 8° C) or the freezer temperatures rise above 5° F (15° C), immediately adjust the temperature in the unit and check temperature again within one half hour. If the temperature is still not within range, immediately segregate (place in a bag, label "Do Not Use") and place vaccine into a proper working storage unit. Contact the Kentucky Immunization Program to report the storage issue. Contact vaccine manufacturers for guidance regarding the viability of the vaccine. Follow manufacturer's recommendations. Complete the Storage and Handling Incident Report and send to the Kentucky Immunization Program.

- c. Inventory vaccines at least monthly and before placing a vaccine order.
- d. Rotate stock weekly so that shortest dated vaccine is used first. This should be documented on the temperature logs.
- e. Call the Kentucky Immunization Program at (502) 564-4478 at least three months prior to the expiration of vaccines if the clinic is unable to administer prior to expiration. Inform the Kentucky Immunization Program of any expired or wasted vaccine. KIP staff will guide you on the proper procedure for the return of all publically purchased, expired or wasted vaccines.
- f. Have calibrated digital data logging thermometers with external detachable probes in glycol that are covered by current and valid Certificates of Traceability and Calibration in all units where publicly funded vaccine is stored. Have certificates readily available for review during site visits.
- g. Always store vaccines in the center of the storage unit with space between the vaccine baskets and the sides and back of the unit to allow cold air to circulate around the vaccines.
- h. Do not store vaccines on the door or in the vegetable bins (these are good places for water bottles to help stabilize temperatures).
- i. Do not store food or drink in a refrigerator or freezer where vaccines are stored.

3. Routine Procedures

- a. Download digital data logger monthly and send to DPH.KVP@ky.gov.
- b. Discard reconstituted vaccines not used within the interval allowed on the package insert.
- c. Do not open more than one multi-dose vial of a specific vaccine at a time.
- d. Always contact the appropriate vaccine manufacturer if there is any question about the storage or handling of any vaccine and inform the Kentucky Immunization Program.

4. In Case of a Power Failure or other Emergency

- a. Do not open the refrigerator or freezer during a power outage.
- b. If the outage is prolonged (more than two hours) or in the event of an emergency, please describe your procedure for alternate storage:

- c. If temperatures in the storage unit are out of recommended ranges, move vaccine into a proper working storage unit as soon as possible and contact manufacturers for guidance. Follow manufacturer's recommendations and report incident to the Kentucky Immunization Program within 72 hours.

5. Ordering vaccine

- a. Always inventory vaccine supply before placing your monthly order.
- b. Keep a copy of your order form so that you can check your order when it arrives.
- c. Submit the required inventory and doses administered reports monthly, prior to placing an order.
- d. Keep private stock and VFC stock separate.

Helpful Telephone Numbers

Kentucky Immunization Program: (502) 564-4478

Kentucky Immunization Registry Helpdesk: (502) 564-0038

KIP Field Representative: _____

Vaccine Manufacturers:

Sanofi Pasteur: 1-800-822-2463

Merck: 1-800-609-4618

Glaxo Smith Kline: 1-866-475-8222 or 1-888-825-5249

Wyeth (Pfizer): 1-800-999-9384

MedImmune Inc.: 1-877-633-4411

Novartis Vaccines: 1-800-244-7668

Name (Print)

Title (Print)

Signature

Date Reviewed (must be reviewed annually)