



Double Breast Vaccinator

Pullet Vaccination

User Guide

Introduction

This guide for the Double Breast Vaccinator will walk you through proper operation of this modern, innovative and user-friendly device. The Double Breast Vaccinator helps accurately administer inactivated vaccines in pullets at appropriate vaccination age.

NOTE: Before operating this device for the first time, unpack it and all the accessories. Review all parts before beginning operation, so you are familiar with what is required as you use the Double Breast Vaccinator. Please refer to the consumables list from Zoetis for part numbers and guidance for ordering.

This guide will provide the most help when referenced in conjunction with the Double Breast Vaccinator user video. Watch the video, accessible through the QR code, before operating the device for the first time.



Watch the Double Breast Vaccinator video before operating the device for the first time.

Safety Reminder

- Operators should handle birds appropriately, in a manner that complies with animal welfare guidelines.
- For best results, two people should work together in conducting vaccinations using the Double Breast Vaccinator. One person fulfills the operator role while the other, a "collector" role, hands the bird to the operator.

Efficiency Tip: The person collecting birds can apply an eyedrop or wing web vaccine before handing a bird to the device operator.



Location Setup

Follow these guidelines to help properly secure the Double Breast Vaccinator:

1. Select a flat, stable surface.
2. Secure device firmly to prevent movement or falling.
3. Plug in power cord.
4. Secure cord and keep it free from obstruction.



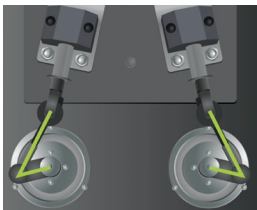
Secure the device firmly in place on a stable surface. Using a clamp is recommended.

CAUTION:

- Improper mounting can be dangerous.
- Do not place device near feed system or water sources.
- Avoid running extension cords across doorways.

Device Setup

1. Remove covers and plates.
2. Turn on machine, follow prompts.
3. Verify the crank is in the correct position and select "Start Reference."
4. After the reference run, select "Needle Service."
5. Push the manual button at the left side of the device to push the syringe forward; install the needle with the bevel facing to the outside.
6. Repeat install for double vaccination setup.
7. Touch "Needle Home" to retract the needle back into the device.
8. Carefully attach breast plate.



During the device reference run, verify the crank is in the correct position.

Needle Adjustment

1. Select "Needle Service," then push the manual button, at the left side of the device, to extend the syringes.
2. Measure angle and depth of needle with adjustment tool. If adjustments are needed, proceed with Step 3. If no adjustments are needed, skip to Step 6.
3. Detach the breast plate and adjust needle depth and angle.
4. Re-attach the breast plate and verify adjustments with adjustment tool.
5. Repeat needle adjustment steps, starting at Step 1 and "Needle Service" until measurements are accurate.
6. Select "Needle Home."
7. Set up vaccine holder.

REMINDER: Needles should be replaced after 1,000 vaccinations — or sooner, as needed — and removed at the end of each day.



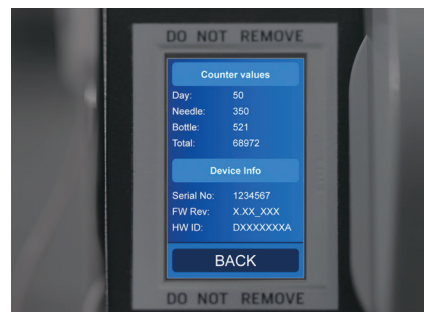
Use adjustment tool to verify proper needle depth.

Vaccine Setup

1. Pierce vaccine bottle with a sterile needle before inserting drip tube.
2. Attach to vaccine holder.
3. Run air-bubble sensor.
4. Affix vaccine tubes to syringes.
5. Follow on-screen prompts to prime left and right syringes.
6. If needles are not already attached, follow needle install.
7. Once lid is closed and breast plate is in place, the screen will change from "Set-Up" to "On-Screen" navigation. After this step, the device is ready for use.

On-screen Navigation

1. View "Home Screen" mode.
2. Close cover to activate settings.
3. Select "Unlock" to adjust settings.
4. Reset "Day Counter."
Number of vaccinated birds since reset.
5. Adjust "Batch Counter."
Counts down number of birds vaccinated according to batch size.
6. Select "Info" button for device status.
7. Reset "Needle Counter."
Automatically resets after 1,000 injections.
8. Reset "Bottle Counter."
Tracks number of shots per bottle.
9. Vaccination and batch counter sounds.
10. Adjust force sensor for type of bird.
11. Select preferred language.



Press the "Info" button for detailed information about the device and its status.

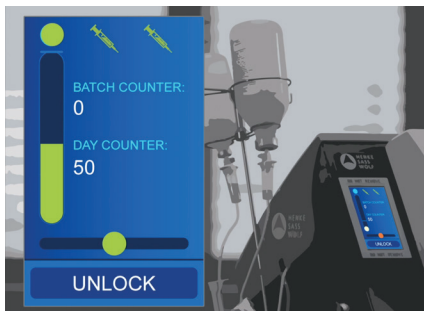
Device Operation

Confirm on-screen settings:

1. Number of syringes in use
2. Batch counter 0
Tracks number of chickens vaccinated relative to batch size.
3. Bottle counter
Logs number of shots per bottle used.
4. Day counter at 0
Indicates number of vaccinated chickens since last reset.
5. Position bird onto breast plate.
CAUTION: Do not wrap fingers around bird near breast plate.
6. Sensors detect proper position.
7. Vaccination automatically initiates.

Keep vaccinated birds separated. Monitor counters and replace vaccine as needed.

WARNING: In the event of a needlestick, please seek immediate medical attention.



The positioning sensors turn green when the bird is in the proper position for vaccination.

Device Warnings

Vaccination sound: Confirms after vaccine administration.

Batch counter sound: Notifies operator when counter reaches 0.

Air-bubble detection warning: Sounds when air is detected in vaccine supply. Manually prime system, then revaccinate. Proper tube installation will prevent unnecessary warnings.

"Early Release" warning: Sounds when chickens are released too early. Reposition bird onto breast plate and revaccinate. Adjust force sensor for type of bird when vaccinating.

Language settings: Select preferred language setting.

"Needle Service" warning: Change needles for every 1,000 injections. Follow instructions to change needles. If the drip tubes are empty or appear dry, prime vaccine bottles before use.



The "Early Release" warning sounds when chickens are released too early. Reposition and revaccinate the bird if this warning sounds.

Maintenance and Storage

- Replace needle after 1,000 vaccinations or sooner, as needed.
- Change syringes every 3,000,000 vaccinations.
- Replace O-rings every 100,000 vaccinations.
- Replace dripping chamber each day.
- When replacing parts, make sure the device is clean and ready for servicing.

Proper storage procedures:

- Turn off device and unplug.
- Remove needles, vaccine and drip tube.
- Wipe down machine. Refer to manual for additional cleaning procedures.
- Store in protective container.

CAUTION: Do not stack weight on top of container.



Thoroughly clean and sanitize the device at the end of each vaccination day.



Double Breast Vaccinator

Pullet Vaccination

Featuring innovative engineering, the Double Breast Vaccinator helps prevent self-injection and maintains vaccine-application efficiency.

Contact your Zoetis representative to discover how this device can help prioritize animal welfare for your operation.

