



STATE OF CONNECTICUT  
DEPARTMENT OF AGRICULTURE

STATE OFFICE BUILDING

HARTFORD, CONNECTICUT 06115

GEORGE M. WILBER  
COMMISSIONER

August 11, 1977

International Kashrus Association  
Post Office Box 163  
Dyker Heights Station  
Brooklyn, New York 11228

Dear Sir:

I am writing in reply to your letter of July 25, 1977.

1. Mareks Disease - Chicks are vaccinated one (1) day of age in the neck.  
Fowl Pox - Chicks are vaccinated in feather follicles.  
All other vaccines are given through water, spray, or nasal installation.
2. Approximately 100% of U. S. chicks are vaccinated.
3. No reply.

Very truly yours,

A handwritten signature in dark ink, appearing to read "R. J. Stadler, V.M.D." with a stylized flourish at the end.

R. J. Stadler, V.M.D.  
State Veterinarian

RJS/sh



STATE OF NEW YORK  
DEPARTMENT OF AGRICULTURE AND MARKETS  
J. ROGER BARBER, COMMISSIONER  
ALBANY, NEW YORK 12235

Division of Food Inspection Services  
518-457-5381

August 12, 1977

I have been asked to respond to your July 25, 1977 letter, to Commissioner Barber, in which you asked questions concerning vaccination of poultry.

It is my understanding that almost 100% of chickens commercially grown in the United States today are vaccinated or immunized against one or more diseases.

There are various methods of administration of vaccines and biologics. Some are given by injection, some by an aerosol spray. Sometimes a flock is immunized against a particular disease by deliberately infecting a small percentage of the flock at an early age. The infected birds spread the disease to the remainder of the flock and, upon recovery, a high percentage of the birds will have developed an immunity. Sometimes the immunizing agent is administered by instilling it within the nasal passage or within the cloaca.

We have no information concerning the methods of immunization used by particular hatcheries and poultry growers in New York State and the Denver, Colorado area.

You may be able to obtain additional information concerning the current recommended methods of immunization of poultry from one of the commercial suppliers of vaccines and biologics. There are many such concerns in this country. Listed here are the names and addresses of two, Salsbury Laboratories, Charles City, Iowa 50616 and Sterwin Laboratories Inc., Millsboro, Delaware 19966.

MR. SHOLOM I. GROSS

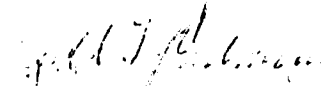
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August 12, 1977

Completely definitive information concerning a particular lot of poultry offered for slaughter might have to be obtained in the form of statements from the grower of the birds and the hatchery from which the grower obtained his baby chicks.

I sincerely hope the above information will be of assistance to you.

Very truly yours,

  
Judd T. Gilmour, D.V.M.  
Assistant Director

JTG/lm

**STERWIN LABORATORIES INC.** Subsidiary of Sterling Drug Inc.  
P.O. Box 537 • Millsboro, Delaware 19966 • Area (302) 934-9274

August 11, 1977

Lyker Heights Station  
brooklyn, New York 11228

Dear Mr. Gross:

Reference is made to your letter of 25 July, 1977 concerning vaccination of chickens.

Below you will find answers to your questions.

1. Depends on vaccine administered. May be subcutaneous, intramuscular, web of wing, eye drop, drinking water, spray and vent drop or brush.
2. 100%
3. Not applicable.

I might add that I do not know of any hatchery that does not use Marek's Disease vaccine in day old chicks. This vaccine is injected intramuscularly or subcutaneously back of the head. Data sheets are attached.

We trust that the above will be helpful.

Sincerely,

Hiram N. Lasher

Attachments

STERWIN

# STERWIN LABORATORIES INC.

## PRODUCT INFORMATION

### MAREK'S DISEASE VACCINE - STERWIN HVT

**INDICATION:**

For vaccination of healthy one-day-old chicks against Marek's disease.

**DESCRIPTION:**

A live virus vaccine containing the East Lansing FC 126 strain of turkey herpes virus propagated in chick embryo fibroblasts under rigid quality control and frozen in the final container. Sterwin HVT is packaged in two separate units, a glass ampule containing 2ml. of frozen vaccine and a bottle of sterile diluent.

The vaccine is prepared in 500 and 1000 dose ampules. A 100ml. bottle of diluent is required for 500 doses. 200ml. is required for 1000 doses. Each chick is inoculated subcutaneously with 0.2ml.

The ampules are inserted in metal canes in a canister. The canister is packed within a liquid nitrogen container.

**STORAGE:**

**IMPORTANT:** Proper storage of the vaccine is essential if the potency of the product is to be maintained.

**AMPULE -** Keep ampule frozen in liquid nitrogen until ready to vaccinate.

**DILUENT -** Diluent may be stored at room temperature but must be ice cold at time of use.

**CONTAINER -** Store liquid nitrogen container securely in an upright position in a dry, well-ventilated area.

**CAUTION:**

Liquid nitrogen containers and vaccine should be handled only by properly trained personnel, see Form 9888K "Precautions and Safe Practices - Liquefied Atmospheric Gases" published by the Lindé Division of Union Carbide Corp., New York, N.Y.

When removing ampule cane, handling frozen ampules or adding liquid nitrogen, wear long sleeves, a plastic face shield, and heavy asbestos gloves to protect the skin from contact with the liquid nitrogen. All storage and handling of the liquid nitrogen container must be in a well-ventilated area. Do not inhale liquid nitrogen vapors. If drowsiness occurs, get fresh air quickly; then ventilate entire area. If breathing difficulty occurs or there is loss of consciousness, apply artificial respiration and summon a physician immediately.

Special care should be taken when removing canes from the container as occasionally an ampule may explode when warmed. Precautions should be taken to protect one's self from flying glass.

**PREPARATION and ADMINISTRATION:**

**IMPORTANT:** Read carefully directions for use sheet enclosed in each package of Sterwin-HVT diluent. Instructions must be followed exactly for best results. The vaccine is to be administered subcutaneously in the back of the neck of one-day-old chicks. Guard against exposure of vaccinated chicks to Marek's Disease for at least 2 weeks.

**PACKAGING:**

	Dose Size	Cat. No.
STERWIN-HVT	500	S 602
	1000	S 605

The information contained herein is to the best of our knowledge true and accurate. Any recommendations or suggestions are made without warranty or guarantee, since use conditions are beyond our control. Nothing contained herein shall be construed to imply the non-existence of any relevant patents, nor to constitute permission, endorsement or recommendation to produce any inventions covered by any patents owned by Sterling Drug Inc., or by others without authority from the owner of the patent.

TAKE TIME



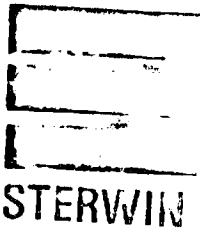
OBSERVE LABEL DIRECTIONS

STERWIN LABORATORIES INC. MILLSBORO, DELAWARE 19966

limited to (1) conditions of storage and handling by the user, (2) health and responsiveness of individual birds, and (3) time and degree of field exposure.

Use only special green label diluent provided for Sterwin-HVT (Lyophilized (freeze-dried) vaccine; DILUENTS FOR CELL ASSOCIATED (WET) VACCINE ARE INCOMPATIBLE AND WILL CAUSE LOSS OF TITER. Do not vaccinate within 21 days before slaughter

Burn empty vials, bottles, caps and all unused contents.



# STERWIN LABORATORIES INC.

## PRODUCT INFORMATION

### MAREK'S DISEASE VACCINE STERWIN-HVT LYOPHILIZED

**INDICATIONS:**

Vaccination of healthy one-day-old chicks against Marek's disease. This virus will infect chicks even though they may be carrying maternal antibodies to Marek's disease herpesvirus, providing a minimum titer of 1000 PFU per dose is administered.

**DESCRIPTION:**

A live virus vaccine containing the East Lansing FC 126 strain of turkey herpesvirus in cell-free lyophilized form, produced in chick embryo fibroblasts. Inoculated cell cultures are harvested, processed and freeze-dried in the final container. Sterwin-HVT Lyophilized is packaged in two separate units: a 10-pack tray of vaccine vials and a carton of bottled sterile diluent containing special stabilizers.

**PREPARATION OF EQUIPMENT:**

Sterilize vaccinating equipment by boiling in water for 20 minutes or more or by autoclaving 15 minutes at 120° C under steam pressure. **DO NOT USE CHEMICAL DISINFECTANTS** - they can inactivate the virus.

**USE ONLY STERWIN-GREEN LABEL DILUENT:** select proper size vaccine and diluent as follows:

500-dose vaccine: 100 ml diluent

1000-dose vaccine: 200 ml diluent

**PREPARATION OF VACCINE:**

**DO NOT OPEN AND REHYDRATE THE VACCINE UNTIL READY FOR USE. USE DILUENT AT ROOM TEMPERATURE, 68-72° F (20-22° C).**

1. Mix only one vial at a time and use immediately.
2. Remove aluminum seal from vial and rubber stopper from bottle of diluent.
3. To rehydrate vaccine, pour a small amount of diluent into vaccine vial; shake. Transfer partly dissolved vaccine into diluent bottle. Replace stopper and **SHAKE VIGOROUSLY** for at least 30 seconds to insure even distribution. Rehydrated vaccine is now ready for use.
4. To obtain optimum results, place the vaccine in an ice bath immediately after rehydration and swirl frequently.
5. Administer all vaccine from one vial within one hour after rehydrating.
6. Do not dilute the vaccine or otherwise stretch the dosage.

**METHOD OF ADMINISTRATION:**

Administer rehydrated cell-free vaccine using a sterile automatic syringe with a 20- to 22-gauge, 3/8- to 1/2-inch needle. Inject each chick subcutaneously in the back of the neck with 0.2 ml of rehydrated vaccine (the breast also may be used). At either site, lift the skin and insert the needle downward beneath the skin. **AGITATE REHYDRATED VACCINE FREQUENTLY DURING USE.**

For maximum effectiveness, observe good management practices for at least 2 weeks to avoid exposure of vaccinated chicks to virulent Marek's disease virus.

**CAUTION:**

Carefully follow directions for use. Vaccinate only healthy birds maintained under good environmental conditions and free of all diseases, including chronic respiratory disease (CRD), coccidiosis, PPLO infections, epidemic tremors or other diseases that can cause complications or reduce immunity.

Satisfactory results with Sterwin-HVT Lyophilized depend on various factors, including but not limited to (1) conditions of storage and handling by the user, (2) health and responsiveness of individual birds, and (3) time and degree of field exposure.

Use only special green label diluent provided for Sterwin-HVT Lyophilized (freeze-dried) vaccine; **DILUENTS FOR CELL ASSOCIATED (WET) VACCINE ARE INCOMPATIBLE AND WILL CAUSE LOSS OF TITER.**

Do not vaccinate within 21 days before slaughter

Burn empty vials, bottles, caps and all unused contents.