

# V.H.+H-120

## VACCINE NEWCASTLE V.H. + BRONCHITIS H-120 STHAINS LIVE VIRUS

Combined Newcastle Disease (V.H. strain) and Infectious Bronchitis (H-120) live vaccine. This Vaccine is prepared using S.P.F. embryos obtained from officially certified S.P.F. flocks. The vaccines conform with international standards of safety and potency.

### Presentation:

Vacuum-sealed vials containing ND and IB virus in freeze-dried form.

### Packages:

500, 1000, 2000, 2500 or 5000 doses.

### Storage:

Keep refrigerated at 2<sup>0</sup>- 8<sup>0</sup>C protected from light.

### Methods of Administration:

For water, spray or eye/nose drops. - ,

### Drinking water method:

Do not use this method before chicks have learned to drink readily (3-4 days).

1. Vaccination should be done when the birds are thirsty. Therefore, remove all water from the chicks for at least 2 hours prior to vaccination.

2. Only perfectly clean and rust-free drinkers, preferably plastic, should be used. Scrub and clean them with brush and clean water and do not use any disinfectants, detergents or sanitizers for cleaning, as traces of these may kill the virus and make the vaccine worthless.

There must be adequate drinking space provided so that all chicks can get to the drinkers as quickly as possible. In the case of free-range birds, ensure that the drinkers are in the shade to prevent sunlight and heat from killing the virus.

3. To get good results it is advisable to vaccinate early in the morning and to use cool water. To neutralise chlorine & other chemicals in the drinking water, add 50 ml of skim milk or 5 grams of skim milk powder to each 1 litre of water. After dissolving wait 5 minutes, then add the vaccine

4. Remove aluminium seal from vaccine vial. Then remove stopper and carefully fill with cool water until it is 2/3 full. Replace stopper and gently shake to suspend the vaccine completely. Pour contents into a clean pail containing the proper amount of water at the following approximate rates for the vaccination:

|                                  |                        |
|----------------------------------|------------------------|
| Birds 4 days to 3 weeks of age:  | 5-10 litres/1000 doses |
| Birds 4 weeks to 8 weeks of age: | 20 litres/1 000 doses  |
| Birds 8 weeks of age or older:   | 40 litres /1000 doses  |

5. Mix thoroughly the vaccine and water by 'stirring with a stick and distribute it equally into the drinkers. Ensure that the vaccine plus water is consumed within 1 hour and that all the drinkers are in the shade.

6. Provide no other drinking water until all the treated water has been consumed.

7. Keep chicks comfortable during the vaccination reaction period by the use of adequate heat, feed and water. Stress factors acting on the birds can adversely affect them, increasing reaction and mortality after vaccination.

### By spray:

It is essential to use a sprayer giving a uniformed fine spray (droplet size of 100 microns approximately). The particular sprayer in use should be tested and checked for satisfactory droplet size and for the time it takes to spray the amount of water recommended. The spraying must be aimed one to one and a half meters above the birds. The resulting fine cloud should fall slowly undisturbed by air currents for 20 minutes. As untoward reactions may occur especially in flocks with C.R.D. problems, it is advisable to consult your veterinarian on vaccination programs and precautions to be taken. Keep the birds quiet and before spraying darken house, turn off fans.

### By eye or nasal drops:

Dissolve contents of one vial in cold boiled water or distilled water in the following proportions: 1 vial of 1000 doses to 30-50 ml of water (the exact amount of water will depend on the type of dropper being used). Shake contents of vial to dissolve. Biological Laboratories Ltd.

### Ocular administration:

Hold the bird pressed in one hand. Allow one drop to fall into the eye - release pressure, release bird.

### Nasal administration:

Place one finger over one nostril of the chicken. Allow one drop to fall into the other nostril. When drop is absorbed into the nasal cavity release chick.

### Precautions:

The vaccine should be kept in the shade at low temperatures (2<sup>0</sup>-8<sup>0</sup>C) and suspended in water free from detergents or disinfectants. Directions for use should carefully be followed. Vaccines, wisely used, do provide immunity but significant protection takes sometimes, 10-21 days to be established.

### Note:

This vaccine was carefully produced and thoroughly tested in accordance with international standards before being offered for sale. Since we cannot control the conditions or circumstances under which this product is stored and shipped after it leaves our laboratory, and since the actual application of this in the field are factors over which we have no control, we therefore, cannot accept any responsibility for results not in accord with the normal expected reaction and mortality.

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