



VAC-PAC PLUS®

Vac-Pac Plus™ Supporting Your Vaccine Administration

Using drinking water to deliver poultry vaccines is a common practice for most poultry producers. Unfortunately, the simple act of vaccination does not guarantee that good immunity will result. Poor vaccination technique will result in poor protection from disease, whilst those who make the effort to administer the vaccine correctly can benefit from the highest level of protection.

Various factors interact to influence the success or failure of the vaccination, but oxidisers such as chlorine have long been recognized as the chief factor that inactivates the vaccine. The vaccine will be in contact with this water for approximately 2 hours during the vaccination process, and so they can have a significant effect on the vaccine titre.

The arrival of the “second generation” stabilizer, Vac Pac Plus™, provides significant improvements over more traditional stabilisers.

The key benefits of Vac Pac Plus™ are;

- Activates immediately to stabilize vaccines against harmful water quality factors such as chlorine & chloramines
- Rapidly soluble
- Does not adversely effect water quality by promoting bacterial growth
- Contains a blue dye to aid the priming of the drinker lines during the vaccination process
- Does not negatively affect the pH of the vaccination water

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Stabilization

Stabiliser tablets have also been used to neutralize the chlorine but some of these still require 10 minutes for complete chlorine neutralization. Vac Pac Plus™ activates immediately to reduce the harmful effects of chlorine and chloramines in drinking water. Since no waiting is required, Vac Pac Plus™ is ideally suited to be used with metering devices.

Solubility

Vac Pac Plus™ dissolves immediately on contact with the water. Not only does it dissolve faster, but its ultimate solubility is 100%, even without the use of warm water that may be harmful to the vaccine.

Vac Pac Plus™ was designed to dissolve immediately on contact with water and not to settle out of the vaccination tank or stock solution.

The solubility of Vac Pac Plus™ is unaffected by the water temperature whereas the solubility of some stabiliser tablets can be adversely affected by cooler water temperatures. Water temperature is a critical factor in vaccine stability. The harmful impact of increased temperature is shown in the graph below, which demonstrates that an increase in temperature reduces the amount and duration of bronchitis vaccine livability (Jordan and Nassar, 1973).

Vac Pac Plus™

Concentrated Formula - Vac Pac Plus™ is available in small convenient size sachets designed to stabilize ~ 973 litres of drinking water.

No Contact Time - Vac Pac Plus™ activates immediately to stabilize vaccines against chlorine & chloramines, making it ideal for use with dosing systems.

100% Soluble - Vac Pac Plus™ is easy to use and reduces the time spent mixing.

Blue Dye - Vac Pac Plus™ contains a blue dye to aid the priming of the drinker lines. The dye is approved for food use in the EC in the European Parliament and Council Directive 94/36/EC.

