Vácidos

Each effervescent tablet contains:

Sodium Thiosulfate	1.5g
Disodium EDTA	4.12g



Chlorine neutralizer, buffer, chelating agent, and water colorant **for avian vaccine solution.**

- Protects the vaccine from chlorine present in drinking water and regulates pH alterations.
- Controls the correct vaccine dosage by coloring the water.
- Inactivates contaminating heavy metals such as iron, lead, arsenic, mercury, among others.



Avivet®
Advanced Ingredients

Vácidos

Effervescent tablets

Vácidos is an effective water softener. It neutralizes chlorine and inactivates contaminating heavy metals, promoting a viable environment for the addition of vaccines. It dyes the drinking water blue so that vaccinated birds can be identified after ingestion.



Usage Procedure

1. Prepare the appropriate volume of water for the dosage.
2. Add one tablet for every 100 L of water.
3. Wait 10 minutes for complete chlorine neutralization, then homogenize with a plastic agitator.
4. Dilute the vaccine by opening the vial below the surface of the water.
5. Distribute the vaccine.

Evaluation of the viral viability of a commercial Newcastle vaccine diluted in drinking water treated with Vácidos

Results of the NDV antibody titration in waters treated with **Vácidos** and another product B

The DIE_{50} titer for ENC that was obtained after water treatment with **Vácidos** reached an optimal viral titration recommended by WOAH, unlike Product B which obtained a titration below the minimum recommended(1).

NDV (Newcastle Disease Virus)		
Vaccine + treatment	Vácidos	Product B
DIE_{50} Titer	$10^{6.5}$/mL	$10^{6.0}$/mL

Results of the pH analysis test in waters treated with **Vácidos** and a product B

In the water analysis, it is observed that treatment with **Vácidos** decreases the pH, making the water slightly acidic, unlike what was recorded with Product B.

Parameters				
		Water treated with calcium hypochlorite	Water treated with calcium hypochlorite + Vácidos	Water treated with calcium hypochlorite + Product B
pH	Result	**7,6**	**6,6**	**7,6**
	Evaluation	Slightly alkaline	Slightly acid	Slightly alkaline

Dosage: 1 tablet per 100L of water.

(1) Avian Pathology Laboratory of the Faculty of Veterinary Medicine at the San Marcos National University.

Avivet®

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