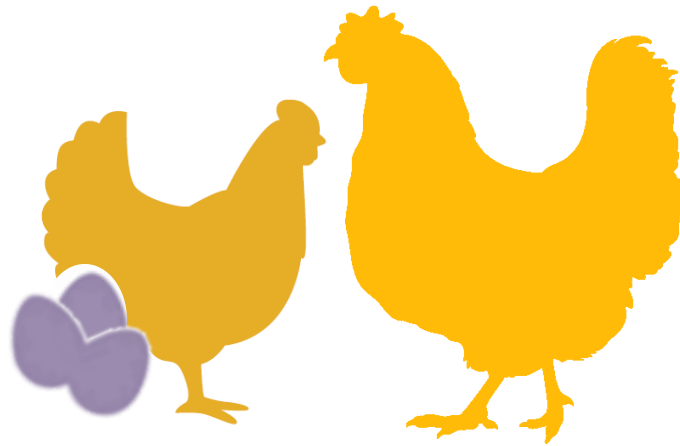


# STRESSEN



dox-al

Hi-Tech



Restoration of  
electrolyte  
balance

Heat stress

Support to  
buffering system

STRESSEN is an oral solution used as a dietary electrolyte supplementation for broilers, layers and breeders, enriched with essential oils.

One of the consequences of the heat stress is the change in acid-base balance. When several management techniques and dietary modifications have been proposed with no success, the reason of their unexpected failure is because those strategies do not take into account the disturb of the acid-base balance of birds during heat stress.

It is necessary to improve these management procedures with a chemical supplementation of drinking water with the suitable mixture of electrolytes, in order to help birds tackling heat stress related-symptoms.

## CONTENT AND ACTIONS:

**Potassium chloride**: Potassium is the most important ion within the living cells and has an important role in the regulation of the heartbeat and of the neuromuscular activity. It is essential for the storage of fluids in the cells, reduces blood pressure, protects the health of the heart muscle and of the blood vessels.

**Sodium chloride** is very important for preserving the acid/base balance, and it allows all metabolic functions. Also neurons require a high proportion of sodium, which is involved as an agent for maintaining the membrane potential and for the conduction of the neuronal impulse.

**Sodium citrate** is very important to adjust blood viscosity, as it facilitates the blood circulation within the blood vessels. It is a crucial molecule in the metabolic processes of every cell of the organism (Krebs cycle), and it is present in important concentrations in bones, as a stabilizer.

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POULTRY

**Green mint** is characterized by the high content of Vitamin A, Vitamin C and Vitamin B2 in addition to the group of essential salts, including manganese, sulfur, iron, potassium and calcium. It is known for inhibiting the growth and the reproduction of many types of bacteria and fungi, having an antiseptic effect in the intestines. Mint reduces intestinal contractions and thus reduces water loss during heat stress.

It also relieves the congestion that affects the upper respiratory system, as mint acts as an expander of the bronchi and thus facilitates the breathing and the oxygen availability in the body.

## APPLICATION

STRESSEN is strongly recommended during periods of maximum stress, during which electrolyte imbalance it is easy to occur, as it helps to guarantee the maintenance of:

- ✓ the osmotic pressure
- ✓ the body water
- ✓ the physiological pH.

STRESSEN is a valuable support to overall buffering system.

STRESSEN has been developed as a strong support in case of HEAT STRESS.

## COMPOSITION

Natural products – botanically defined

Mixture of flavouring substances

Preservatives

Sodium citrate (E331) 100g

Carrier: water, sodium chloride, potassium chloride as needed to 1L

## ADMINISTRATION

**Poultry standard dosage:**

1,000 ml in 1,000 L of drinking water.

A concurrent addition of 6 kg of sugar/1,000 L of drinking water is strongly recommended in order to improve the efficacy.

In case of need and under strict veterinarian's supervision the dosage can be increased.

## PACK SIZE

1 L bottle; 5 L tank.

## STORAGE

Expiration date refers to the product stored in integral packaging away from heat sources. Store in a cool and dry place.

## SHELF LIFE

24 months

Composition may vary in different countries; for further information please contact our technical staff.



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