

MoreGain

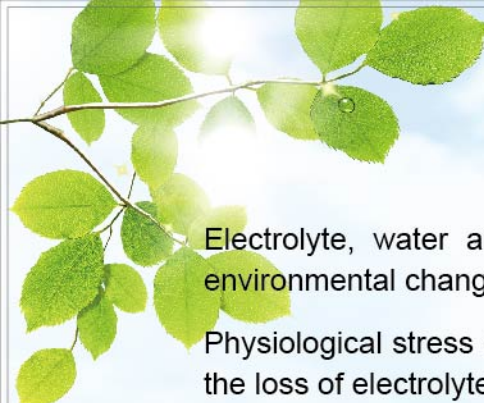
Quick Rehydration & Heat Stress Relief



*More Standing,
gives u more...*



MORE STANDING ENTERPRISE CO.,LTD
www.morestd.com.tw



Electrolyte, water and body temperature are important factors for poultry to adapt environmental changes, especially during critical weather conditions.

Physiological stress caused by over-heat, disease or transportation may also accelerate the loss of electrolytes from body.

Failure to retain the proper electrolytes would lead to poor performance and sudden death. Thus, the supplement of electrolytes from drinking water is essential for poultry growers to improve their flock performance and reduce economical loss.

MoreGain Electrolyte Solution contains energy (dextrose and glycine) that allows water and electrolytes to be absorbed efficiently within digestive track.

MoreGain Electrolyte Solution also works as water stimulator to rapidly hydrate poultry and restore physiological function.

Dehydration and Heat Stress

- Dehydration and Heat stress have extreme damages to broiler production due to big physiological changes in birds.
- When dehydration happens, waste substances are condensed in the blood and then become toxic to birds.
- Electrolyte imbalance will result in dehydration and make heat stress more serious.

Definition of Heat Stress

- Ambient temperature: more than 26 degree Celsius.
- Relative moisture : more than 75%.

Heat Stress Impact

- Destroy the balance of electrolyte.
- Increase the remove of CO₂.
- Dehydration.
- Decrease Feed efficiency .
- Increase mortality.



How Poultry Respond to Heat Stress

- Sit and rest around wall or water drinker.
- Spread wings to increase heat removal and reduce feed intake.
- Blood flows from organs to skin to accelerate heat remove.
- Increase respiration rate, increase energy consumption and reduce feed efficiency.

Electrolyte Functions

- Osmotic pressure regulation & maintenance of water balance.
- Nerve impulse conduction.
- Muscle contraction.
- Acid-base balance.
- Enzymatic reactions - A component of enzymes or activate enzymes.

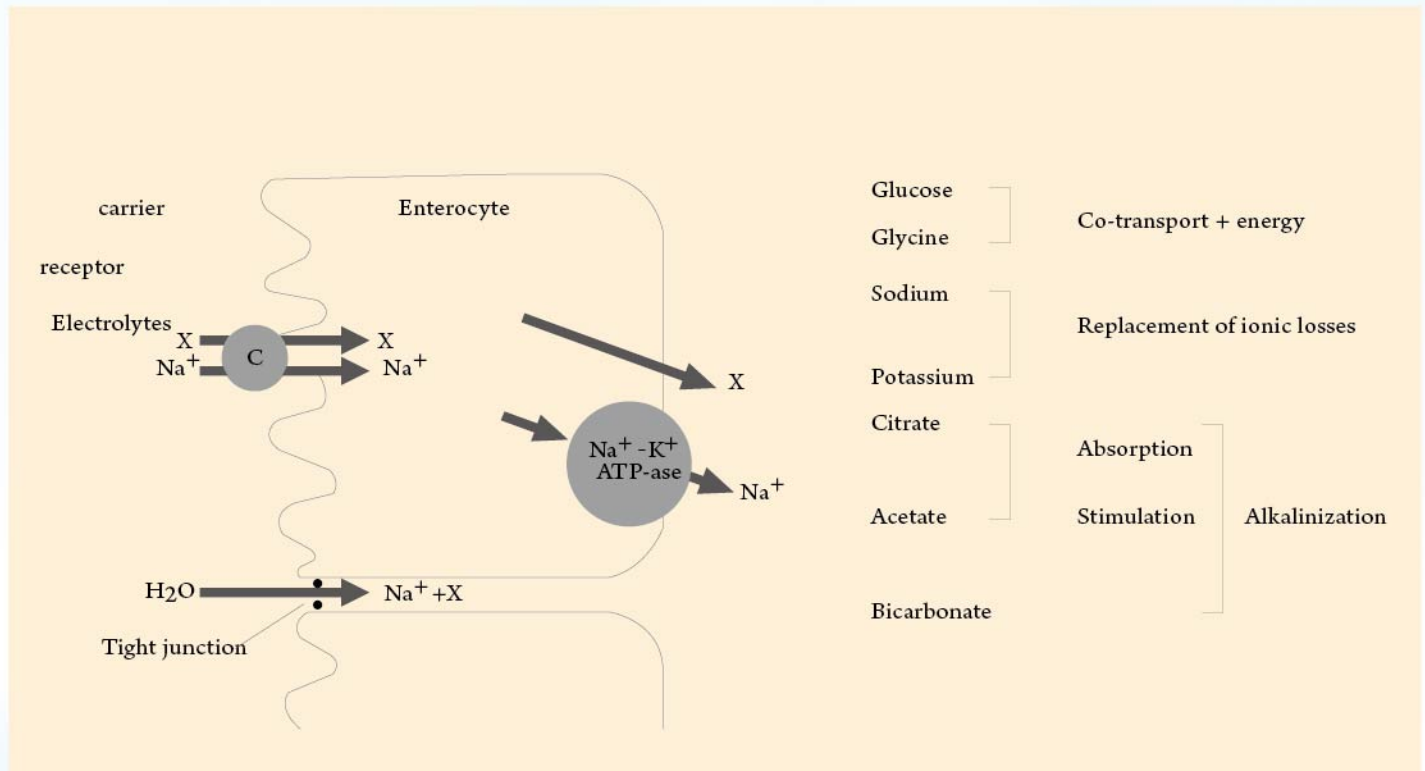
Main Electrolytes

- 1) **Sodium** - The major cation in the extracellular fluids.
 - 2) **Chlorine** - The major anion in body fluids.
 - 3) **Potassium** - Serves as the major intracellular cation.
 - All three are extremely important for the electrolyte balance.
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- Enviromental temperature is a crucial factor in the growth performance of poultry.
 - In a high temperature there is a decrease in feed intake and in body gain, and additions of certain nutrients to feed or drinking water can reduce these effects.
 - Electrolyte balance in feed has a significant influence on body weight gain and feed intake.
 - Sodium bicarbonate is a nutrient with the ability to improve the acid-base balance and the electrolyte balance in blood in high environmental temperature.



Absorption mechanism of MoreGain Electrolytes(active transport system)

The addition of glucose to the drinking water prevented the decreases in feed intake and growth, and heat stroke, and expected that energy supply, especially from glucose, is then important for broiler production.



MoreGain contains energy and amino acid (glucose and glycine) that allows water and electrolytes to be absorbed efficiently within digestive track.

MoreGain also works as water stimulator to rapidly hydrate poultry and restore physiological function.



MoreGain

Main ingredients

Glucose, Glycine, Citric acid, Potassium Citrate, Sodium Chloride, Monopotassic Phosphate.

Each L contains:

Sodium 39g, potassium 14g, phosphorus 12g, Glycine 40g.

Main functions

1. Resistance to stress caused by extreme weather, disease, transportation, etc.
2. Stimulation of appetite and feed intake.
3. Quick hydration.
4. Remove the accumulation of toxic substances.
5. Maintaining body pH balance.
6. Improve performance and growth condition.

Recommended Usage

- 1 L of MoreGain Electrolyte Solution for 1000L drinking water.
- During extreme conditions, use 2L of MoreGain Electrolyte Solution for 1000L drinking water.



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