



## Neuro Calm

100% Herbal Anti-stress and Sedative

Suitable for poultry

Oral solution

### Ingredients:

- Valeriana officinalis (Valerian) Extract
- Melissa officinalis (Lemon balm) Extract

Animals, like humans, experience stress and anxiety. Stress in poultry compromises the immune system and has destructive effects on performance and production. Stress is considered a silent threat to flock health and performance. A bird that is under stress rarely shows obvious signs, as a result, the problem of stress and the damages caused by it in many cases cannot be recognized and tracked. In industrial poultry farms, factors such as heat and humidity, vaccination, beak trimming, overcrowding, improper ventilation, weighing, transportation, sudden changes in ration and peak production are all stressful for the bird and lead to immunosuppression, weight loss, increase in FCR, reduction of the production and generally reduces the health and performance of the flock.

### **Mechanism of action:**

Valerian and lemon balm have long been used as sedatives, anti-anxiety and stress relievers. These plants naturally affect the nervous system and lead to calmness and improve restlessness. Even nowadays, these plants are used to improve anxiety, nervous tension and stress.

The active compounds in valerian lead to calming effects by stimulating the release and activation of inhibitory receptors of gamma-aminobutyric acid (GABA) and preventing its degradation. These compounds also modulate the circulation of norepinephrine and serotonin in the brain and suppress stress responses by controlling blood corticosterone levels. Valerian is also effective in treating problems caused by stress.

The active compounds in lemon balm prevent the destruction of GABA- the inhibitory neurotransmitter- and lead to the enhancement of cholinergic receptors in the brain and the protection of nerves. Lemon balm has anti-inflammatory, antiviral, antimicrobial, anti-lipidemic, and anti-diabetic effects.

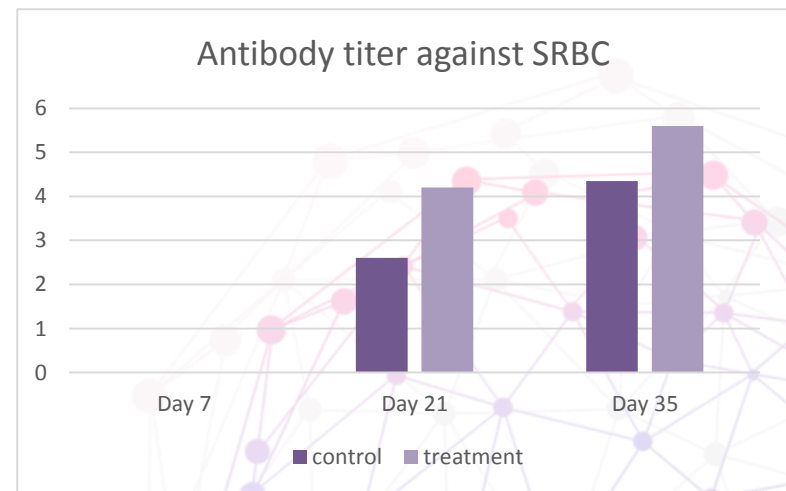
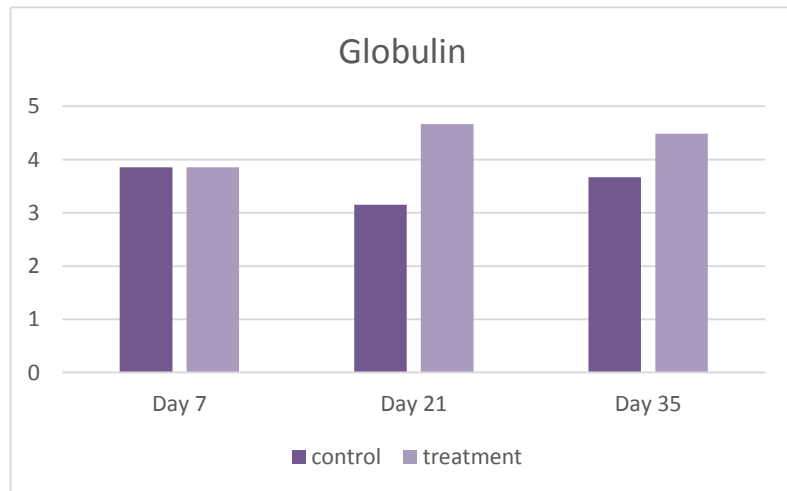
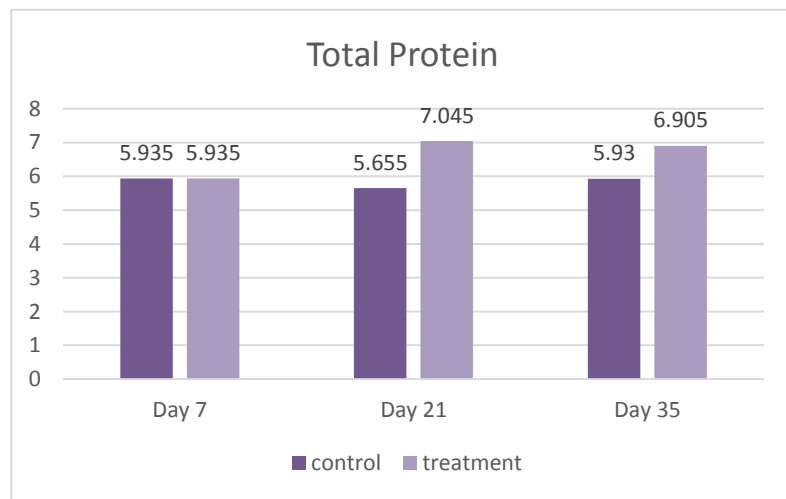
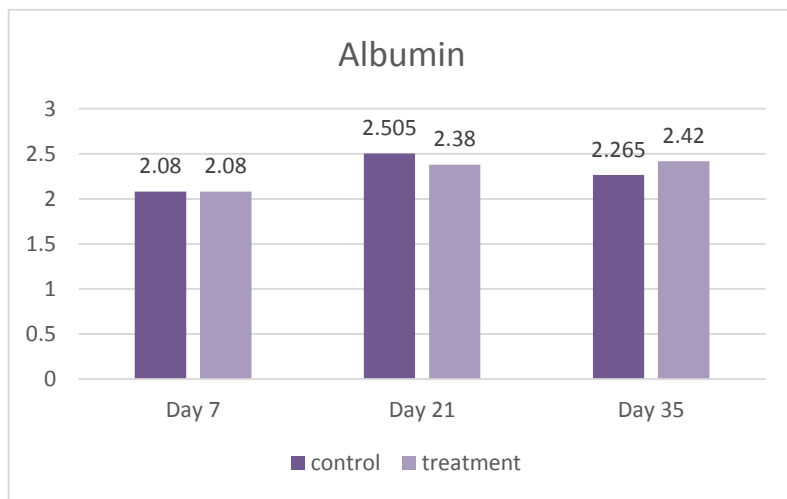
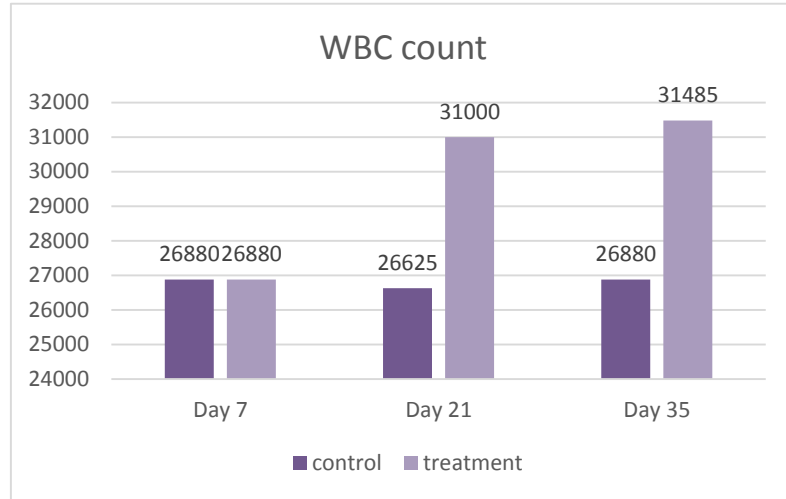
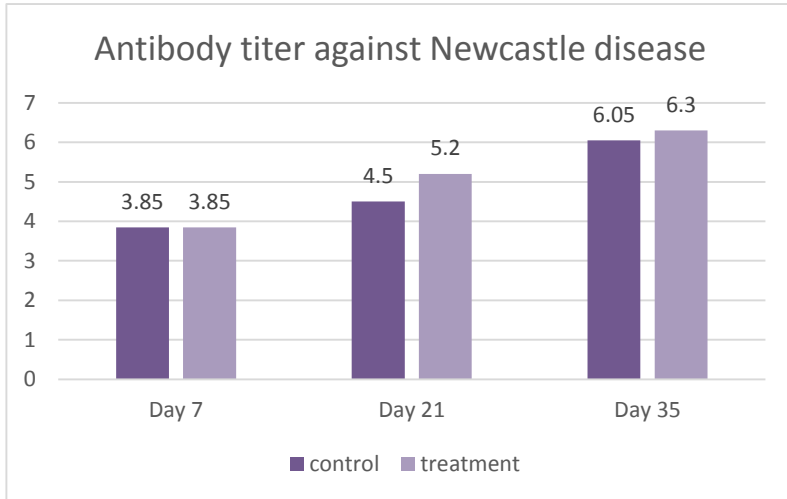
The formulation of Neuro Calm is such that the active ingredients in valerian and lemon balm extracts, including isoborneol, valerenic acid, linalool, linalyl acetate, rosmarinic acid, and flavonoids intensify and strengthen each other's therapeutic effects and make the medicine even more effective.

### Neuro Calm Indications:

- Environmental stresses such as heat, humidity, light, noise and crowding
- Mechanical stress such as transportation, personnel movement, weighing, etc.
- Stress caused by vermin such as insects, mites and mice
- Before and after vaccination
- Before and after beak trimming
- In cases of cannibalism and aggression
- Stress caused by peak production, drop in production due to illness and change in diet



**The positive effects of Neuro Calm on the number of white blood cells, antibody titer against Newcastle disease and sheep red blood cells, and metabolic factors.**



**Recommended dosage:**

250 ml/1000 L drinking water

**Storage Conditions:**

Store in a cool and dry place at 25°C and away from direct sunlight.

**Withdrawal Period:**

No withdrawal period is required.

**Drug Interaction:**

Compatible with all kinds of commonly used medicines, additives and vaccines.

**Cautions:**

Keep out of reach of children

In case of accidental eye contact, wash immediately with plenty of water

**Packaging:**

250 ml bottles

**Expiration Date:**

24 months from production date



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