



Ostrich Assist

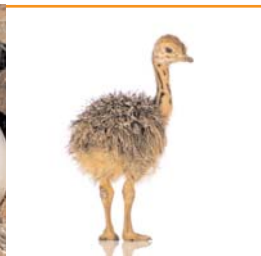
Registered by Natrocine (Pty) Ltd as Poultry Assist # TBA VTBA RSA Act 36/1947

Natural Performance Promoter to improve Feed Efficiency, Mass Gain and counter Mortality associated with Dormant Infections.

- ✓ Do you experience high mortalities?
- ✓ Is there a low hatching rate?
- ✓ Do the birds die for no apparent reason?
- ✓ Do you want to replace antibiotics and farm organic?
- ✓ Do you want to export to EU Regulations?

Different types of stressors can lead to a rapid reduction in nutrient metabolism and also the suppression of the immune system. **Natrocine**[®] Ostrich Assist works on the physiological processes that have to do with the fattening of certain areas such as bone marrow and the liver: - it changes fat into protein while it normalises the immune response and restores cellularity. The product is also effective in correcting bacterial and viral infections. The basic product premises and typical values are as follows:

- Stabilise damage and activates and restores the immune system to good health resulting in dramatically reduced mortality rates
- Eliminates fatty infiltration in the liver and bone marrow and rebuild the muscular system resulting in a better carcas weight
- Eliminates zoonotic infections
- The product has no harmful effects on animals, humans and the environment as the product is made up of 100% natural ingredients - inline with new trends to eliminate the constant use of antibiotics and growth stimulants.



Natural Medicinal Solutions for the Agricultural Industry

A number of problems have been found in the wake of new biological discoveries and molecular development as to the benefit of mankind. It was initially thought that we could manipulate life with the production of new molecules, the one more potent than the other. These medicines have impacted on the ecological environment by causing deviation from normal biological processes as well as the immune response processes of animals and humans with significant side effects. This is true for humans but is particularly prevalent among domestic animals raised on supplements such as growth stimulants and medicaments including antibiotics. **Natrocine**[®] has been formed with the specific product objective to provide compositions that will alleviate problems associated with the operation of the immune system. We believe we are on the right track with our approach to natural solutions that are being developed using a combination of advanced medical, veterinary and biokinetic knowledge. The name **Natrocine**[®] has been derived from Natural, Organic, Medicine and Science. We hope to use all these approaches and provide our children with a healthier world.



 **Natrocine**[®] (Pty) Ltd

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- Every stage of the breeding and production cycle has an enormous impact on the final outcome of the product, its industry and its consumers and market.
- Research has shown that commercially bred nucleated red blood cell animals have dormant infections in the bone marrow that are vertically transferred to the unborn chick causing so called "healthy birds" to under perform with unpredictable results..
- Unbalanced food composition as well as overfeeding furthermore gives rise to fatty changes in the liver as well as in the bone marrow resulting in partial depletion of the function of the bone marrow.

Trial Results

- Treatment with Natrocine Ostrich Assist showed a weight increase of 33% after one month
- No vertical transmission of pathogens via the embryo where treatment of parent stock was done
- Fatty liver decreased from gross liver fatty infiltration to normal liver function
- Bone marrow cellularity increased three fold
- Active T-lymphocyte activation changed from a mere 10% to 69% indicating a good immune response
- Anaemia and associated cardiac failure were eradicated
- The overall physiological homeostatic process in the organ systems was normalised
- No mortalities in week 5 associated with Nucleated red blood cell production
- Resistance to bacterial and viral infections
- Accelerated plumage development on young birds
- Uniform eggshell development
- Greater percentage hatchings
- 0.5% hoof rotation/clubfoot. Bone growth keeps up with muscle growth
- Earlier reproduction cycle due to improved health.

- **Natrocine**[®] Ostrich Assist was developed by **Natrocine (Pty) Ltd** in Oudtshoor, South Africa. The product is registered as Poultry Assist under RSA Act 36/1947.
- It is a source of mineral and organic substances specifically developed for all Nucleated Red Blood Cell animals and acts as a Natural Performance Promoter to improve Feed Efficiency, Yield Mass and Mortality associated with dormant Infections thus offering an alternative to industry standard antibiotics.
- Treatment works at cellular level and regimes can be specifically shaped to match the severity of the disease. The damage is stabilised and the immune status is restored to good health.
- Scientifically tested with proven results over two blood cycles(60 days).
- Ostrich Assist can be administered acutely under current conditions from Day Old birds or preventatively by constantly and continually treating the whole production from parent stock. This will dramatically reduce mortalities and ensure healthier birds to the industry.
- Low dosage of 500g per ton of feed with alternative application through drinking water calculated at 2 grams per 100 kg live weight.

