

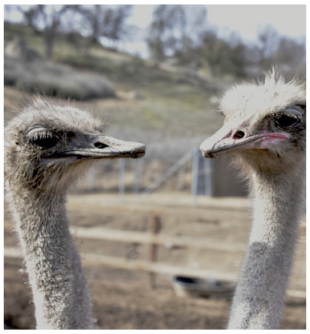

Ostrich probiotic

An ostrich probiotic has been formulated from specific microorganisms isolated from the faecal matter of healthy adult ostriches. One of the major problems facing the industry is chick mortality, which can be as high as 50% in the first three months. A predominant cause of death is pathogenic infections of the gastrointestinal tract. Treatment with antibiotics may result in the development of resistant pathogens and has other adverse effects. The ostrich probiotic is positioned as an alternative product to replace conventionally available antibiotics.

In the wild, ostrich chicks acquire the necessary gut microorganisms by consuming faecal material of adult birds. The composition of the intestinal microflora is very important for the development of a strong immune system. Intensively farmed ostrich chicks are reared in the absence of adult birds, so they may not obtain the correct balance of bacteria in their guts. Furthermore, the microflora are considerably affected by diet components.

Benefits

- Improved health, growth and survival of ostrich chicks
- Diminishes the need for antibiotics
- Enhances normal gut microflora development
- Stimulates immune development

Market

Ostrich farming sector & animal health companies

Technical Description

The technology provides an ostrich feed supplement composition which includes at least one bacterial strain of *Lactobacillus oris, Lactobacillus brevis, Lactobacillus johnsonii, Bifidobacterium pseudolongum subsp, globosum,* and *Enterococcus faecalis*. These bacteria have GRAS (generally regarded as safe) status and are frequently used as food supplements as they can survive in air and are effective colonisers of the gastro-intestinal tract.

Keywords:
MRI, patient tracking, MRI orientation, image correction

Intellectual Property Rights:
Australia: 2011218616
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South Africa: 2011/06400

Technology Readiness Level:
5 - Early Animal Testing

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