

Nucleoforce®

Poultry

Nucleotide Concentrate for Poultry



Nucleoforce Poultry is a balanced concentrate of **free nucleotides and active precursors** obtained from dried yeasts.

The exclusive composition of Nucleoforce Poultry is designed to **precisely and specifically meet the nucleotide needs of layers and chicks.**

Adding Nucleoforce to **rearing feed for layers of up to 17 weeks old and in the starter feed of chicks up to 3 weeks old** helps animals correctly develop key tissue of the reproductive and immune systems and the intestinal mucosa.

APPEARANCE

Product in cream-coloured powder form with characteristic taste and aroma.

DOSAGE

The effective dosage is **0.5 kg per tonne** in rearing feed for layers and starter feed for broilers.

NUCLEOTIDE FAQs

WHAT ARE NUCLEOTIDES?

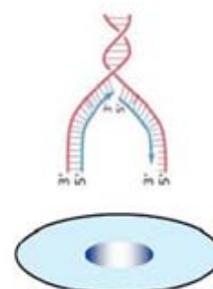
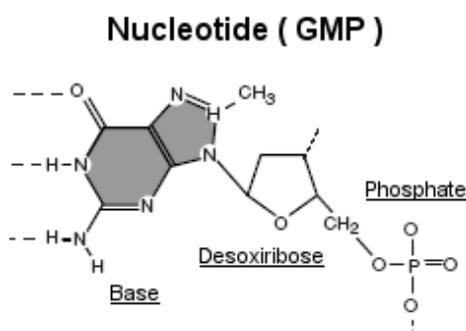
Nucleotides are **semi-essential nutrients** that are the structural units of RNA and DNA.

They are therefore particularly **necessary for the development of tissue with a high rate of cell replication**, such as the tissue in the

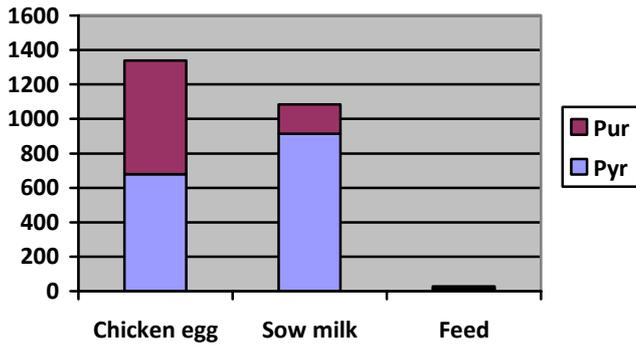
reproductive, immune and digestive systems.

The organism's needs are not completely satisfied by endogenous synthesis alone.

The molecular composition of nucleotides is based on a sugar, a base and one to three phosphate groups.



Nucleotide Composition
(micromols/kg)



WHY ARE THEY SEMI-ESSENTIAL NUTRIENTS?

Eggs and milk have a high nucleotide content and provide young animals with a source of nucleotides that is made available to tissue with little de novo synthesis capacity.

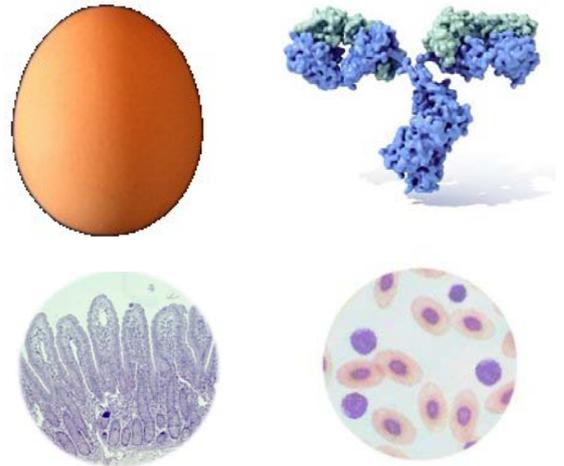
MAIN EFFECTS PRODUCED IN LAYERS AND BROILERS

More and heavier eggs.

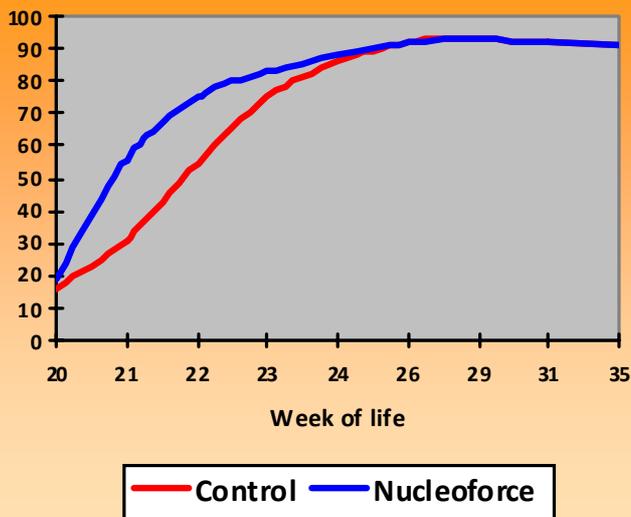
Better and earlier immune response: humoral immune response and cell-mediated immunity.

Improved intestinal development and conversion index.

Improved health and less resistance to antibiotics.



% Hen-Day Production, the Hy-Line W36 breed from week 20 to 35. C. Chetrit et al., 2009
Luminal Nutrition, 2009



Feed conversion ratio in chickens (Ross 308), E. Esteve-Garcia et al., 2007
15th European Symposium on Poultry Nutrition, 2007

