



Performance protection starts here

Feed is your largest investment
Safeguard it with Termin-8



FOR
ASIA
PACIFIC

Termin-8 offers the highest level of pathogen control in feed, and has a residual protection against recontamination for up to 21 days. Termin-8 controls feed contaminations caused by:

- *E. coli*, *Salmonella spp.*
- *Clostridium spp.*, Molds
- *Staphylococcus spp.*, *Streptococcus spp.*

By using feed free from pathogens, producers can maximize the nutritional value of the diet, which results in:

- an improved feed conversion rate
- a decrease in mortality, especially in early life stages

Application of Termin-8 reduces pathogen incidence in the food chain and can lead to a reduction in antibiotic use. It is particularly effective in reducing contamination caused by *Salmonella spp.*

Termin-8 is highly effective for use in the food chain. It has a targeted effect only in feed and has no withdrawal period. Termin-8 has been extensively tested, and is widely approved for use.

Termin-8 provides pathogen control for feed used in more than 60 countries across North and South America, Europe, Asia, Africa and the Middle East.

PRODUCT DESCRIPTION

Effective blend of formaldehyde, propionic acid, terpenes and emulsifier.

APPLICATION

Termin-8 can be applied in feed, either as a powder or a liquid. A patented application system ensures accurate dosing of Termin-8 liquid.

INCLUSION LEVEL FOR TERMIN-8

	Liquid	Powder
Animal feed	1 - 3 kg /MT	2 - 4 kg /MT
Feed for animals at higher risk	2 - 5 kg /MT	4 - 6 kg /MT
Treatment of raw materials	3 - 5 kg /MT	6 - 10 kg /MT

Anitox advisors provide information about local regulations governing usage levels.

PATHOGEN CONTROL SERVICE

Anitox offers extensive support through laboratory analysis and engineering knowledge. This ensures an effective pathogen control program and safe use of Termin-8.

Benefits compared to organic acids:

- Better pathogen control, achieved at a more favorable price
- Extensive residual effect, from feed mill to feeders
- No adverse effects on feed intake at effective dose

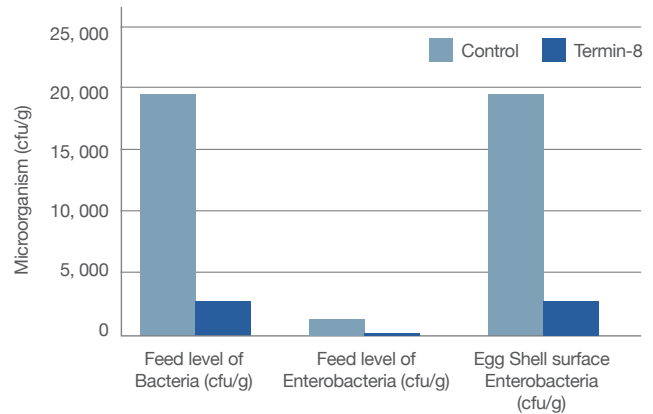


Termin-8, Security through Science

BENEFITS CONFIRMED BY INDEPENDENT, IN-HOUSE AND PRACTICAL RESEARCH

Effect of Termin-8 in Layers - Piedmont Research Station, Salisbury, North Carolina, USA

Conclusions: Treating the feeds with Termin-8 improved feed quality and egg hygiene.



Consequential impact of Termin-8 on vaccination response in Layers – Field research, USA

Conclusion: Degree of variation in antibody concentration amongst eggs produced on different days was reduced from 9.8 to 1.7%, indicating a more uniform vaccination response.

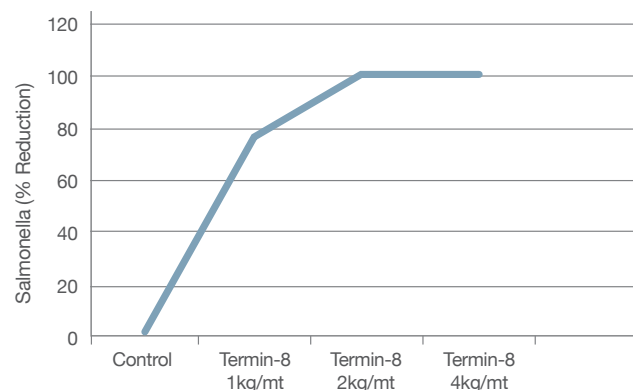
Uniform Response to Vaccination		
Treatment	Antibody level (O.D)	Antibody Uniformity (% CV)
Control	0.922	9.8
Termin-8	0.953	1.7

Effect of Termin-8 on recontamination* – Anitox Laboratory Lawrenceville, Georgia, USA

* Samples contaminated with *S. typhimurium* 19 days after production, samples tested 48h after contamination.

Conclusion: Termin-8 provides extensive protection against Salmonella when applied at a minimum of 2 kg / mt.

Residual effect of Termin-8 on Salmonella



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Anitox is dedicated to the improvement of milling efficiency and the control of microbes and pathogens in feed, food and fermentation applications worldwide. We understand how feed mills work, developing and implementing our advanced pathogen control solutions and performance-enhancing systems to optimize milling operations. Our science-driven approach safeguards animal health and welfare, our food chain, and the efficiency and sustainability of the feed and biofuels industries. Regulations vary by region. Please check local regulations for specific application. For further information on any of our products please visit www.anitox.com