

EASTMAN

Animal nutrition

Eastman Entero-Nova™ 800

A range of solutions controlling gram-negative and gram-positive bacteria in swine, poultry, fish and shrimp

**Glyceride blends for enhanced pathogen control and gut health**

Our glyceride blends, containing short- and medium-chain fatty acids, including monolaurin, are designed to effectively manage pathogens and improve gut health. Monolaurin and lauric acid in these blends are crucial for controlling microflora, particularly gram-positive bacteria, and reducing inflammation. Addressing the root causes of health issues in poultry, swine, fish and shrimp is essential for maintaining optimal health.

Broad-spectrum antibacterial action

Entero-Nova 800 is a product line featuring blends of free and esterified short- and medium-chain fatty acids. These blends work synergistically to provide significant benefits, such as preventing necrotic enteritis in poultry, preventing dysbiosis in swine, and mitigating various diseases in fish and shrimp. The products are particularly effective against gram-positive bacteria like *Clostridium perfringens*, *Enterococcus cecorum* and *Streptococcus suis* and gram-negative bacteria like *Flavobacterium psychrophilum*.

Anti-inflammatory benefits for overall well-being

Medium-chain fatty acids in these blends are effective in managing inflammation. Additionally, blends in the Entero-Nova 800 product line that contain monobutyryl offer even stronger effects by controlling oxidative stress and enhancing gut integrity. They prevent bacterial translocation, strengthening the animal's natural defenses to prevent harmful bacteria from entering the bloodstream and causing systemic inflammation.

Example products in the Entero-Nova 800 product line**Solid products**

- **Entero-Nova 840C:** Highly effective against gram-positive bacteria in swine and poultry (preferably used alongside a butyrate source)
- **Entero-Nova 855C:** Broad-spectrum antibacterial and anti-inflammatory benefits in swine and poultry
- **Entero-Nova 800C:** Broad-spectrum antibacterial and anti-inflammatory benefits for fish and shrimp

Liquid products

- **Entero-Nova 800L:** Broad-spectrum antibacterial and anti-inflammatory benefits for fish and shrimp

Application rates of solid product

Broilers, breeders and layers: 0.5–2.0 kg/t
 Turkeys: 1.0–3.0 kg/t
 Pigs: 1.0–4.0 kg/t
 Fish and shrimp: 3.0–20.0 kg/t

The specific inclusion rate will depend on the objective of the product application. Discuss your needs with an Eastman representative.

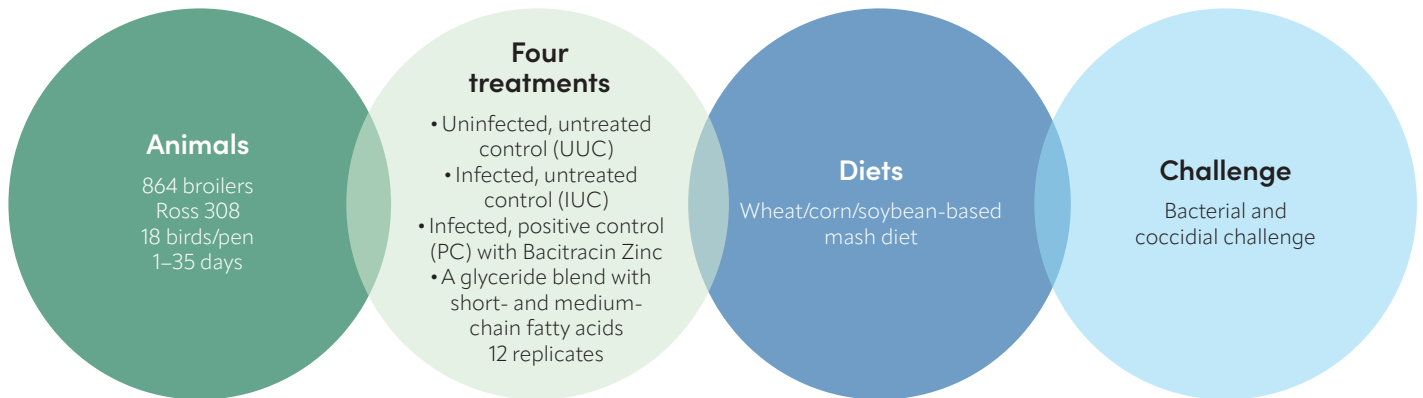
Technical product line characteristics

- A blend of free and esterified short- and medium-chain fatty acids
- Neutral taste and odor
- Good thermostability and flowability
- Noncorrosive

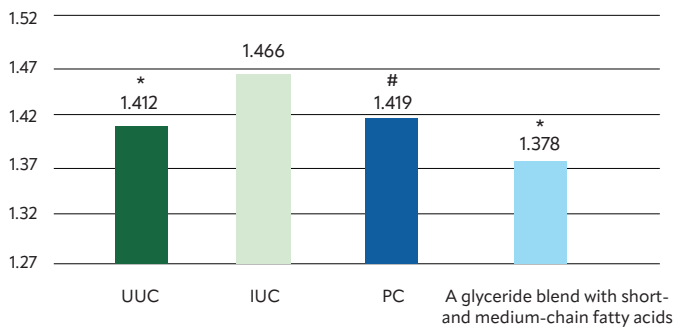


Proven efficacy

Broiler trial featuring a glyceride blend with short- and medium-chain fatty acids at Poulpharm in Aalter, Belgium



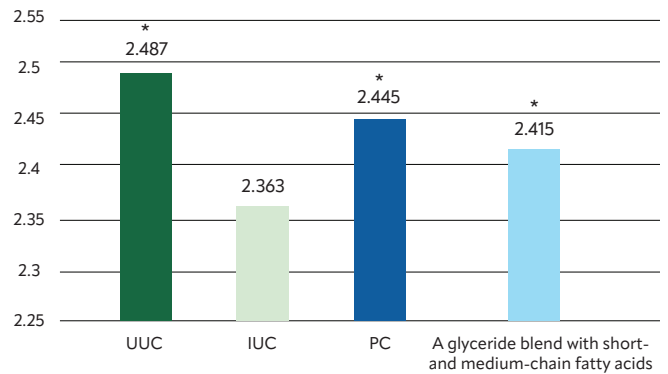
Feed conversion rate at 35 days, kg/kg



Significance declared at $P \leq 0.05$ (*) and $0.05 < P \leq 0.10$ (#) was considered a near-significant trend compared to the IUC group.

The glyceride blend with short- and medium-chain fatty acids significantly improved feed conversion rate in this model.

Body weight at 35 days, kg



Significance declared at $P \leq 0.05$ (*) compared to the IUC group.

The glyceride blend with short- and medium-chain fatty acids significantly improved body weight in this model.

Certain statements may not be applicable in all geographical regions.

EASTMAN

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