



SN[®] MT 50

WHAT WE DO

Sustainable Nutrition has developed its own dedicated production process. The factory is equipped with the newest technologies and is able to produce glycerides of consistent quality in high volumes. We provide the livestock industry with the highest quality of glycerides of fatty acids. Based on these mono- and triglycerides, our specialists discovered new ways to improve gut health and enhance animal performance.

Sustainable Nutrition was founded to find a sustainable way to fight the main challenges of livestock production, especially the challenge of a new era without the use of antibiotics.

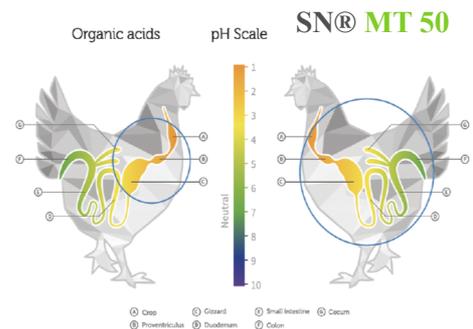
Our world of research is a world of **1,000,000,000,000** bacteria consisting of more than **800** different bacterial species and **7000** strains that together comprise the gut microbiota.

Our focus is to improve the intestinal health in animal production through products that at the same time improve feed digestibility as well as modulate the immune system.

WHO WE ARE

SN[®] MT 50

SN[®] MT 50 is a blend of neutral and chemically stable ester of butyric acid and glycerol. Tributyrin is rapidly hydrolyzed by pancreas and gastric lipases to glycerol and 3 butyrate molecules in the proximal intestinal Tract and Monobutyryn due to high solubility in the water can reach the distal part of the intestine where the liquid are adsorbed. Experimental studies show an intact tight junction protein network in the ileum, proximal colon and jejunum; a sign of a healthy intestinal morphology. Since antibiotic usage can cause profound changes in gut microbiota, it is likely that there is a consequential reduction of butyrate produced in the GI tract; for this reason the administration of SN[®] MT 50 serves as primary energy source, promotes growth of epithelial cells and trans-epithelial resistance and consequently reduced permeability. In general SN[®] MT 50 has a positive effects on the control of the inflammation through the immune response with the regulation and the expression of anti-inflammatory cytokines.



SN[®] MT 50 CHARACTERISTICS

- Non-volatile
- Non-corrosive
- Non-ADR: ease of handling, transport and storage
- Heat stable during feed processing of either mash or pellets
- Neutral taste and odor

SN[®] MT 50 IN LIVESTOCK INDUSTRY

- Improves animal health
- Reduces environmental impact
- Synergistic effect with other additives
- Cost effective
- Ease of handling: non corrosive and non smelling
- Improves feed efficiency and daily weight gain
- Improves gut homeostasis
- Boosts natural defence.



SUSTAINABLE NUTRITION

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PRODUCTION IMPROVEMENT

PIG	BETTER FEED CONVERSION	INCREASE WEIGHT GAIN	ENHANCED FEED DIGESTIBILITY
WEANED PIGLETS	X	X	X
TRANSITION PIGLETS	X	X	X
FATTENING	X	X	



PRODUCTION IMPROVEMENT

POULTRY	BETTER FEED CONVERSION	INCREASE WEIGHT GAIN	ENHANCED FEED DIGESTIBILITY	BREAST WEIGHT
BROILER	X	X	X	X
BREEDER	X	X		

*all the data are based on trials conducted in external farms or are based on research published.