



## NEUBACID SM Liquid

### PRODUCT DESCRIPTION

**NEUBACID SM Liquid** is a synergistic combination of anti-bacterial ingredients to control micro-organisms including *Salmonella*, *E. coli*. The product eliminates pathogenic bacteria in drinking water and liquid feed and helps to protect the animal for *Salmonella* and *E. coli* contamination.

Antimicrobial mode of action is not only caused by an pH lowering effect of the acids, but also by an direct effect of the acid anion. Organic acid ( RCOOH ) in contrast with inorganic acid can penetrate the cell wall of bacteria. Especially short chain fatty acids like formic, acetic, propionic can penetrate the cell wall. In the intercellular sphere at neutral pH the acids dissociate. In order survive the surplus of H<sup>+</sup>, ions have to be eliminated. This is such a strong energy demanding process that the bacteria die. The dissociated anion ( RCOO<sup>-</sup> ) of the acid has a disruptive effect on DNA synthesis, the mechanism responsible for cell replication.

### COMPOSITION

Formic acid, Ammonium formate, Propionic acid, Lactic acid

### ADVANTAGES

- Prevents growth of *Salmonella* and *E.coli* in drinking water, liquid feed and the gastro-intestinal track
- Improves animal performance
- Reduces mortality

### RECOMMENDED DOSAGE

1-2 kg per 1000 l drinking water

### DELIVERY FORM

30 l - containers, 200 l - drums, 1 000 l - containers, bulk

### STORAGE STABILITY

**NEUBACID SM Liquid** should be stored in a dry, cool place in the dark