

## Stalosan F<sup>®</sup> Pathogen Efficacy Tests

More than 20,000 pages have been published on the efficacy of Stalosan F<sup>®</sup> in animal production and the management of disease. Most of the efficacy studies were performed by the well-known Eurofins Group historically known as Steins Laboratory.

Samples used for these studies included manure or bedding samples from general animal production as a source of pathogens and organic material. The testing protocols included qualitative and quantitative analysis to reveal types of pathogens presented as well as total pathogen counts.

Over the years Stalosan F<sup>®</sup> has also had rigorous testing in international laboratories including The Central Veterinary Laboratory (UK), Rostock University (Germany), Micro-chem laboratories (USA) and several other laboratory facilities worldwide.

The following page lists the many species of bacteria, viruses and fungi for which Stalosan F<sup>®</sup> has demonstrated kill rates of up to 99.9% within a few hours. Efficacy studies performed with parasites did not result in total kills, but went far beyond the levels normally seen for many commercial biocides.

## Stalosan F<sup>®</sup> On The Farm

Stalosan F<sup>®</sup> is a natural and unique alternative way to manage the health of your livestock. For more than 40 years Stalosan F<sup>®</sup> continues to be used globally in over 48 countries across more than 10,000 livestock farms.

Stalosan F<sup>®</sup> is a powerful and effective disinfectant agent which when used regularly in livestock pens, housing and poultry sheds will control many damaging pathogens, viruses, parasites and will even contribute to reducing the fly population as it destroys fly larvae well before they become a problem.

Regular weekly addition of Stalosan F<sup>®</sup> stabilises the microbial flora and chemical balance of litter and floor areas thereby creating a natural and healthy environment where animals can thrive during the entire production cycle.

## Stalosan F<sup>®</sup> Components and Primary Functions

Key Ingredient	Primary Function	Comments on Efficacy
Silicates	High water binding capacity	Key component in Stalosan F <sup>®</sup> for its water binding capacities
Phosphates / Sulphates	Low pH 3-4 Antimicrobial Water binding Acid buffers	Drying agents that neutralise ammonia and deliver a ten fold increase in the biocidal efficacy of copper and iron.
Copper	Strong antimicrobial	Excellent efficacy against bacteria, viruses and fungi.
Iron	Strong antimicrobial	Excellent efficacy against bacteria, viruses and fungi.
Chloramine T	Bactericide, Virucide, fungicide including spores, germicide.	Broad spectrum pathogen control used in hospitals and laboratories.

## **BACTERIA**

Actinobacillus  
Aerococcus  
Bacillus subtilis  
Clostridium perfringens  
Clostridium tyrobutyricum  
Coliform bacteria  
Eschericia Coli  
Eschericia Coli O149  
Eschericia Coli O157  
Enterobacter agglomerans  
Enterobacter cloacal  
Enterococcus faecium  
Fusobacterium necrophorum  
Haemophilus  
Micrococcus varians  
Pasteurella multocida  
Proteus mirabilis  
Pseudomonas aeruginosa  
Pseudomonas fluorescent  
Pseudomonas paucimobillis  
Salmonella Dublin  
Salmonella enteritidis  
Salmonella typhimurium  
Salmonella typhimurium DT104  
Serratia marcescens  
Staphylococcus hyicus  
Staphylococcus aureus  
Staphylococcus epidermis  
Streptococcus faecalis  
Streptococcus pyrogenes  
Streptococcus uberis

## **VIRUSES**

Canine parvovirus  
Newcastle disease virus  
Porcine parvovirus  
Reo-virus  
Vaccinia-virus

## **FUNGI**

Alternaria  
Aspergillus  
Candida ciferii  
Candida lusitaniae  
Candida parapsilosis  
Candida pendotropicalis  
Candida pseudotropicalis  
Candida rogosia  
Candida torulopsis  
Cladosporium herbarum  
Cryptococcus laurentii  
Fungi imperfecte  
Fusarium  
Heminthosporium  
Maris torulopsis  
Mucor plumbens  
Penicilium viridicatum  
Pullularia  
Rhodotorula slutinis  
Saccharomyces cerevisiae  
Trichoderma viride  
Trichosporon beigellii  
Verticillum cinnabarium

## **PARASITES**

Ascarida galli – parasitic round worm  
Ascaris sum – pig round worm  
Capillaria obsignata  
Eimeria acervulina (Coccidia)  
Heterakis gallinarum

## **FLY LARVAE**

**For further information on the efficiency of Stalosan F<sup>®</sup> and specific test protocols please contact your local supplier.**