



Stalosan F® Pathogen Efficacy Tests

More than 20,000 pages have been published on the efficacy of Stalosan F® 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® 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® 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® On The Farm

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

Stalosan F® 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® 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® Components and Primary Functions

Key Ingredient	Primary Function	Comments on Efficacy
Silicates	High water binding capacity	Key component in Stalosan F® 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 subillis
 Clostridium perfringens
 Clostridium tyrobutyricum
 Coliform bacteria
 Escherichia Coli
 Escherichia Coli O149
 Escherichia Coli O157
 Enterobacter agglomerans
 Enterobacter cloacal
 Enterococcus faecium
 Fusobacterium necrophorum
 Haemophilus
 Micrococcus varians
 Pasteurella multocida
 Proteus mirabilis
 Pseudomonas aeruginosa
 Pseudomonas fluorescent
 Pseudomonas paucimobilis
 Salmonella Dublin
 Salmonella enteritidis
 Salmonella typhimurium
 Salmonella typhimurium DT104
 Serratia marcescens
 Staphylococcus hyicus
 Staphylococcus aureus
 Staphylococcus epidermidis
 Streptococcus faecalis
 Streptococcus pyogenes
 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 rogosa
 Candida torulopsis
 Cladosporium herbarum
 Cryptococcus laurentii
 Fungi imperfecte
 Fusarium
 Hemimythosporium
 Maris torulopsis
 Mucor plumbens
 Penicillium viridicatum
 Pullularia
 Rhodotorula glutinis
 Saccharomyces cerevisiae
 Trichoderma viride
 Trichosporon beigelii
 Verticillium cinnabarinum

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® and specific test protocols please contact your local supplier.