



Shield-Ag®

liquid concentrate based on stabilized formulation of hydrogen peroxide & silver ions for aerial and surface disinfection

- ✓ Tuberculocidal
- ✓ Free from aldehydes/QAC
- ✓ Free from phenols
- ✓ Environmental friendly

- Broad spectrum high level disinfectant
- Aldehyde/QAC-free preparation with good cleaning power
- Non-toxic, biodegradable, environment & user friendly
- Original product under technical guidance from Sanosil, AG, Switzerland

PRODUCT PROPERTIES

Shield-Ag® is an eco-friendly, multi-component oxidising biocide scientifically formulated using a stable combination of hydrogen peroxide (H₂O₂) and silver (Ag) ions to create a highly effective disinfectant solution meant for surface as well as environment. This synergistic combination between the hydrogen peroxide and silver is so effective that it creates a biocide, which is twenty times more powerful than that of hydrogen peroxide alone.

Shield-Ag® represents a new generation of clean, safe, environmentally friendly biocides for the effective control of micro-pathogens including Legionella, E. coli, Influenza A and B, Pseudomonas, Campylobacter, Salmonella, MRSA, VRE and other bacterial, viral and fungal infections, on hard surfaces, environment and in water systems.

RANGE OF APPLICATION

Shield-Ag®, being a High-Level Disinfectant (HLD), its applications are numerous making it ideal for use in critical areas of hospitals including OT, ICU, ER, CCU, Cathlabs, MOT etc.

Shield-Ag® can also be used in veterinary, food production facilities, farms, hotels, industrial and office buildings, schools, swimming pools and spas. Shield-Ag® also offers a unique and complete bio-security solution for poultry, fruit and vegetable, beverage and meat and fish production.

APPLICATION

Shield-Ag® can be used for surface as well as aerial disinfection of critical areas of healthcare setting. Apply a sufficient quantity of the 10% dilution Shield-Ag® working solution (100 ml of Shield-Ag® in 900 ml of DM water) to the surface to be disinfected. Use mechanical action to completely wet all the surfaces (scrub-wipe disinfection).

For aerial disinfection (fogging), use sufficient quantity with micro fogger machine. Use as per the below chart. In case of AHU, it should be switched off before fogging. Switch it on after 45 minutes of start of fogging.

FOGGING & CONTACT TIME

Sl. No.	Size of OT (in CFT) (L x B x H in Ft)	Duration of Fogging	Contact Period Post Fogging	Dilution
1	100 - 1000	20 minutes	30 minutes	20% v/v solution (200 ml of Shield-Ag® in 800 ml of DM water)
2	1001 - 2000	25 minutes		
3	2001 - 3000	30 minutes		
4	3001 - 4000	40 minutes		
5	4001 - 5000	30 minutes		
6	5001 - 6000	40 minutes		

20% v/v solution
1 Rotatory table is required.

ANTIMICROBIAL PROPERTIES

Shield-Ag® is a high performance, broad spectrum biocide based on an innovative formulation of hydrogen peroxide (H₂O₂) and silver (Ag). Shield-Ag® is effective against all kinds of bacteria, viruses, yeasts, moulds, mycobacteria and spore.

Shield-Ag® is considered to be environmentally friendly as it is practically 100% degradable under use conditions, simply breaking down to leave water and oxygen.

Hydrogen peroxide is a strong oxidising agent, setting free the molecule oxygen (nascent oxygen) which then oxidises the enzymatic system of micro-organisms.

Silver interferes with the metabolic basic functions of the bacteria (enzymes) or acts on their diaphragm structure (oligodynamic).

Both elements act in the same direction and enhance their benefits (potential synergism) as a powerful disinfectant.

COMPOSITION

Stabilized Hydrogen peroxide 10% v/v and Silver 0.01% w/v

DELIVERY UNITS

Single Unit	Delivery Unit
1 L Bottle	12
5 L Container	2

