









ANOVET[®] POULTRY

NATURAL DISINFECTION *450-550 OXI*

ALL-IN-ONE **NATURAL DISINFECTANT**, **DEODORIZER**,
ANTISEPTIC & **ANTIFUNGAL** WITH WIDE **BIOSECURITY**
APPLICATIONS IN **POULTRY FARMING**.

-  INSTANT MICROBICIDE, VIRUCIDE, FUNGICIDE & SPORACIDE.
-  NON-TOXIC, NON-CORROSIVE, 100% BIODEGRADABLE.
-  REDUCES DRUG REQUIREMENTS THROUGH FEED & WATER TREATMENT.
-  LOWERS MORTALITY RATE & PROMOTES FLOCK HEALTH.
-  NO RINSE OR PRECAUTIONS OR EVACUATION NEEDED DURING FOGGING APPLICATION.
-  DOES NOT PROMOTE RESISTANCE & EFFECTIVE ON ANTIBIOTIC RESISTANT BACTERIA.
-  FREE OF SOLVENTS, ALCOHOLS, ALDEHYDES, DYES, PERFUMES, & PRESERVATIVES.
-  SAFE ON STAINLESS STEEL & TRUSTED IN CLINICAL APPLICATIONS.



Ecabiotec Middle East Manufacturing LLC offers German innovation and turnkey solutions at the forefront of biotechnology trends through a fully manufactured line in the U.A.E; as a Dubai based representation of German biotechnology manufacturer and developer *Ecabiotec AG*;

Manufacturer of highly effective disinfectant solutions and innovative developer of the ECALIT® technology used in producing biologically human identical, environmentally friendly, non-toxic germ reduction solutions; while also providing the industrial utilities upon requirement.

Our full spectrum biological disinfection product line is manufactured locally in Dubai Industrial City and monitored from Germany to ensure both quality with a cost effective offering combination in premium environmentally aligned, and industrially superior products.

As a biotechnology company we offer full scale consulting on projects of all sizes when it comes to product use and application utilities, tailoring our solutions to the treatment required.

Our vision is to offer the best of international standards in safe and effective solutions locally, and we look towards effectively serving all public and private requirements through key establishments in the U.A.E and Middle East.

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ANOVET® POULTRY OVERVIEW

GENERAL OUTDOOR SITE DISINFECTION

GENERAL INDOOR SITE DISINFECTION

INDOOR AERIAL DISINFECTION

FEED STORAGE & ADDITION

HATCHERY & EGG DISINFECTION

WATER SYSTEM DISINFECTION & DRINKING WATER ADDITION

SLAUGHTERHOUSE SOLUTION

NORMAL INFECTION & OUTBREAK REFERENCE

EQUIPMENT & VOLUMES



OFFERING HIGHGRADE HYGIENE SOLUTIONS WITH SAFETY & EASE.

While there is no one size fits all in poultry farm cleaning and disinfection protocols, flock health is highly dependent on promoting and maintaining a clean environment. **ANOVET®** offers a high grade, safe solution with no residual adverse effects through systemic toxicity of young chicks which are often sensitive to chemical disinfectants used heavily in poultry environments.

ANOVET® offers a field environment solution in surface, air, and feed; with supplemental products **ANOSAN TW®** & **ANOFood®** for additional uses in water & slaughterhouses.

Decontamination includes both cleaning and disinfection, with cleaning being an important prior routine to any disinfection practice. A good cleaning practice not only removes 80% of disease agents, but also assures that efficacy of disinfection remains high and unaffected by various elements such as organic matter.

All disinfection applications in this profile are to be performed after the necessary dry or wet cleaning procedures applicable to poultry farms.



ANOVET® offers a natural yet highgrade biosecurity solution with the most human and bird compatible ingredients among disinfectant solutions in the poultry market.



ANOVET® REDEFINING ALL PURPOSE DISINFECTION

DISINFECTION	ANOVET®	SODIUM HYPOCHLORITE	OXIDIZING AGENTS / HYDROGEN PEROXIDE	ALDEHYDE	ALCOHOL	QUATERNARY AMMONIUM COMPOUNDS	PHENOL
MICROBIOLOGY	Bactericidal Virucidal Fungicidal Sporicidal No promotion of resistance	Bactericidal Virucidal Fungicidal Sporicidal(+/-)	Bactericidal Virucidal Fungicidal Sporocidal(+/-)	Bactericidal Virucidal Fungicidal Sporocidal(+/-)	Bactericidal Virucidal(+/-) Fungicidal -----	Bactericidal(+/-) Virucidal(+/-) Fungicidal -----	Bactericidal Virucidal(+/-) Fungicidal -----
PRECAUTIONS	No precautions required	PPE required	No precautions required w/ most animal contact. Some precautions with birds.	PPE required	Control measure required	Precautions Required	Precautions Required
TOXICITY	Non Toxic	Category I toxicity	Category III or IV	Toxic, carcinogenic	Toxic to animals, Developmental toxicity	Category III toxicity	Category I, II toxicity
ADVANTAGES/ DISADVANTAGES	All in 1 solution, can be used in direct animal care such as wounds, living areas, and in animal feed and water. Deodorizer, Non Rinse No DBPs	Corrosive. unpleasant odor. Irritant to skin Must be stored separately from ammonia and flammable products	Rinsing is required where direct skin or oral contact can occur	To be used in well ventilated area. Causes eye and airway irritation	Flammable Hazardous in case of ingestion, of inhalation. Requires long contact time	Thorough rinsing required. Precipitate in the presence of anionic derivative.	strong Odor. Can modify rubber and synthetic material. Generally leaves a residue so rinsing is required. Very toxic to cats and reptiles

ANOVET® supports a good hygiene protocol as a disinfectant, a good cleaning job prior to that will remove 80% of disease agents on surfaces!



- Kills 99.995% of bacteria, virus, fungi and spores
- Non-toxic disinfectant & deodorizer
- Free of alcohol, aldehydes, dyes & scents, non-staining
- Rinse-free, hypoallergenic & non-irritant
- pH neutral
- Cost & time effective with immediate disinfection
- No evacuation measures necessary for safety measures
- Additionally suppresses dust & allergens in the air when fogged

In
accordance
to:

EN 1276
EN 13697
EN 14476

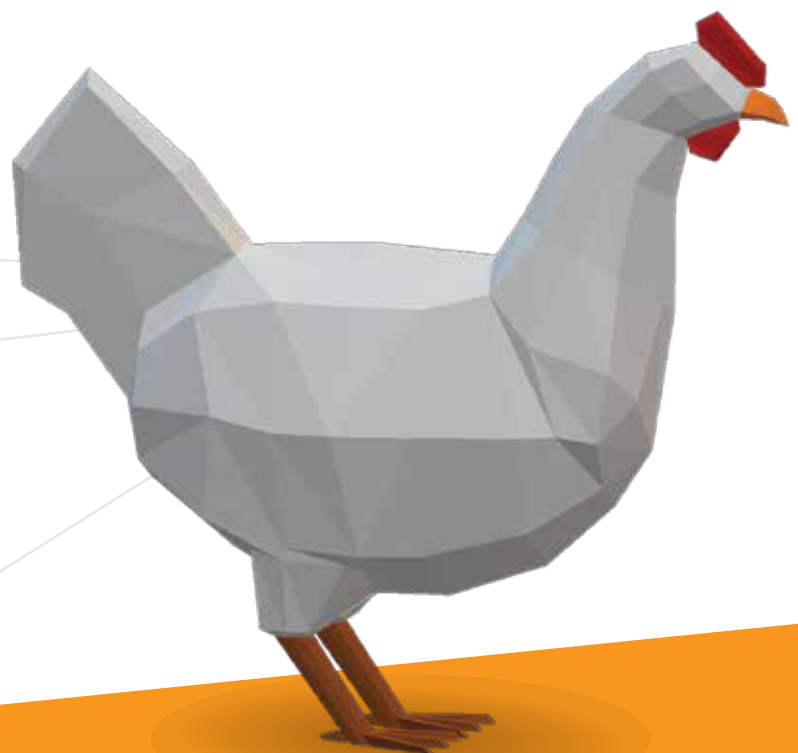
AREAS OF APPLICATION FOR ANOVET® IN POULTRY FARMING

- All Surfaces
- Equipment Including Clinical Tools
- Vehicles & Tire Baths
- Care Tools
- Fogging & Aerial Disinfection
- Drinking Water Systems & Cooling Pad Water
- Feed Addition to Reduce Drug Use
- Hand Sanitization

GENERAL OUTDOOR SITE DISINFECTION

For proper site biosecurity, keeping the vicinity of paths and areas around poultry houses clean and free of litter removes potential sources of infection. Additionally, these areas can be sprayed with a lower dose of 5% **ANOVET®** diluted in clean water for some added mild level disinfection benefits.

Foot & vehicle tire baths can be prepared at 15% dilution, with foot baths being changed regularly to retain efficacy and avoid contamination.



GENERAL INDOOR SITE DISINFECTION

For indoor site biosecurity, disinfection of surfaces after cleaning can be applied through low pressure sprayers on all walls, ceilings, valves, starting from the rear of the house and working up to the door; while paying attention to cracks and corners.

Fogging after surface cleaning and disinfection eliminates airborne pathogens while also covering a wide surface area and potential treatment gaps in surface disinfection. **ANOVET®** requires no PPE in fogging and is a healthier more natural alternative to traditional fumigation in poultry houses for both flock and site labor, while additionally suppressing dust & allergens and deodorization.

Leave the poultry house to dry before replacing equipment and litter.

NORMAL CASES	DILUTION
Surface spray	15%
Fogging	10%
TERMINAL CASES	DILUTION
Surface spray	30%
Fogging	30%



INDOOR AERIAL DISINFECTION

Once a poultry house is restocked, aerial disinfection with **ANOVET®** can be used as often as required with no negative side effects or necessary waiting period.

Misting 5% **ANOVET®** through an automated system once or twice a day is enough to maintain a reduced level of pathogens and prevent infection.

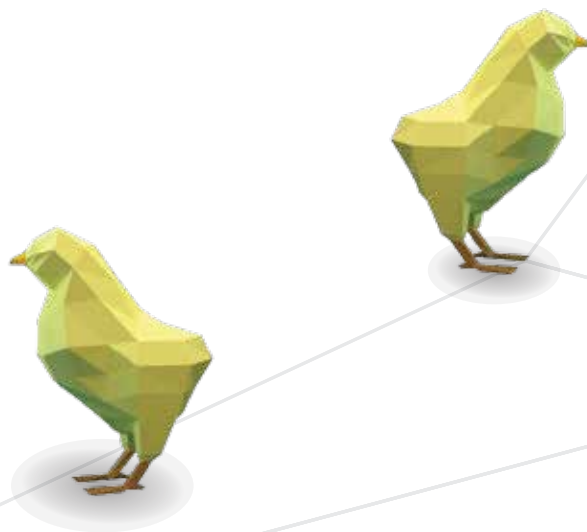
ANOVET® is safe to inhale & can be applied without PPE during fogging or misting, with health promoting benefits of dust and allergen suppression, and no risk of overexposure to young chicks at any stage of their cycle.



FEED STORAGE & ADDITION

Treating poultry feed with ANOVET® promotes higher feed efficacy by killing pathogens and reducing mycotoxic load, starting with fogging feed storages to prevent and eliminate any growth at 15% dilution 1-3 times per week.

Direct treatment on feed can be used through 15 ml of concentrated - per 1 KG of chicken feed. Spray directly and mix manually in bowls or feeding troughs.



HATCHERY & EGG DISINFECTION

A CCP (Critical Control Point) in the production chain and key to fostering healthy and viable DOCs (day old chicks), egg cleaning & disinfection practices are increasingly emphasized to prevent contamination further affecting hatching from early embryonic or DOC mortality, yolk infection, to adversely affecting the early health of hatched chicks.

This microbial contamination can be transmitted from a wide variety of sources, whether transovarian or through pathogens penetrating the immature egg shell cuticle from sources within the hatchery including air, water, or egg handling.

ANOVET® offers a broad spectrum solution for egg disinfection covering both gram +ve & -ve bacteria and moulds, while being safe, non residual, and non corrosive including to metals.

ANOVET® can be applied through traditional methods of dipping, spraying directly, and fogging both the eggs and hatchery for good onsite hygiene.

Immediate egg cleaning & disinfection is important to prevent microbial penetration and activity within the egg before it takes place. Once microbial activity has taken place inside the shell, it cannot be reversed through sanitation practices.



NORMAL CASES	DILUTION
Egg surface spray	5%
Egg dipping	10%
Fogging	15%
TERMINAL CASES	DILUTION
Egg surface spray	10%
Egg dipping	15%
Fogging	30-50%

WATER SYSTEM DISINFECTION & DRINKING WATER ADDITION

Prior to disinfection, the water system should be drained and cleaned out then filled with clean water. Adding 1:1000 of **ANOVET®** (without flushing after) offers an added protection in drinking water eliminating contaminants and preventing biofilm build up.

Avoid dosing disinfectant in water and preferably flush out before applying any live vaccines within drinking water, as active disinfection would interfere with vaccine efficacy.

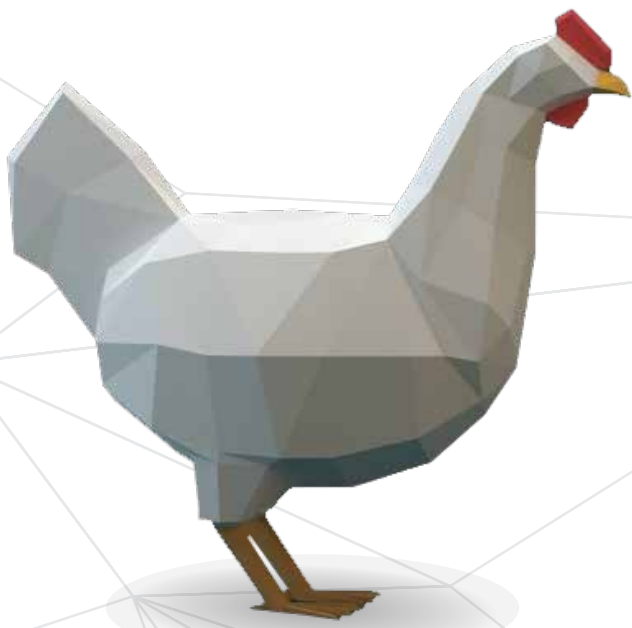
For clean water with no added active disinfection benefits, ask us about **ANOSAN TW®**. A cost effective, lower OXI water disinfectant suitable for all water systems & features, with no flushing required upon treatment.



LITRES OF WATER	DILUTION RATE 1:1000
100 Litres	100 ml
250 Litres	250 ml
500 Litres	500 ml
1000 Litres	1 L

ANOVET® dosed drinking water ensures that birds are drinking clean water and prevents infection between shared water drinkers. Additionally protects water systems against microbial induced corrosion.

ANOVET® dosed in water systems is compatible with evaporative cooling pads, preventing mould and other pathogens from accumulating in the system and air.



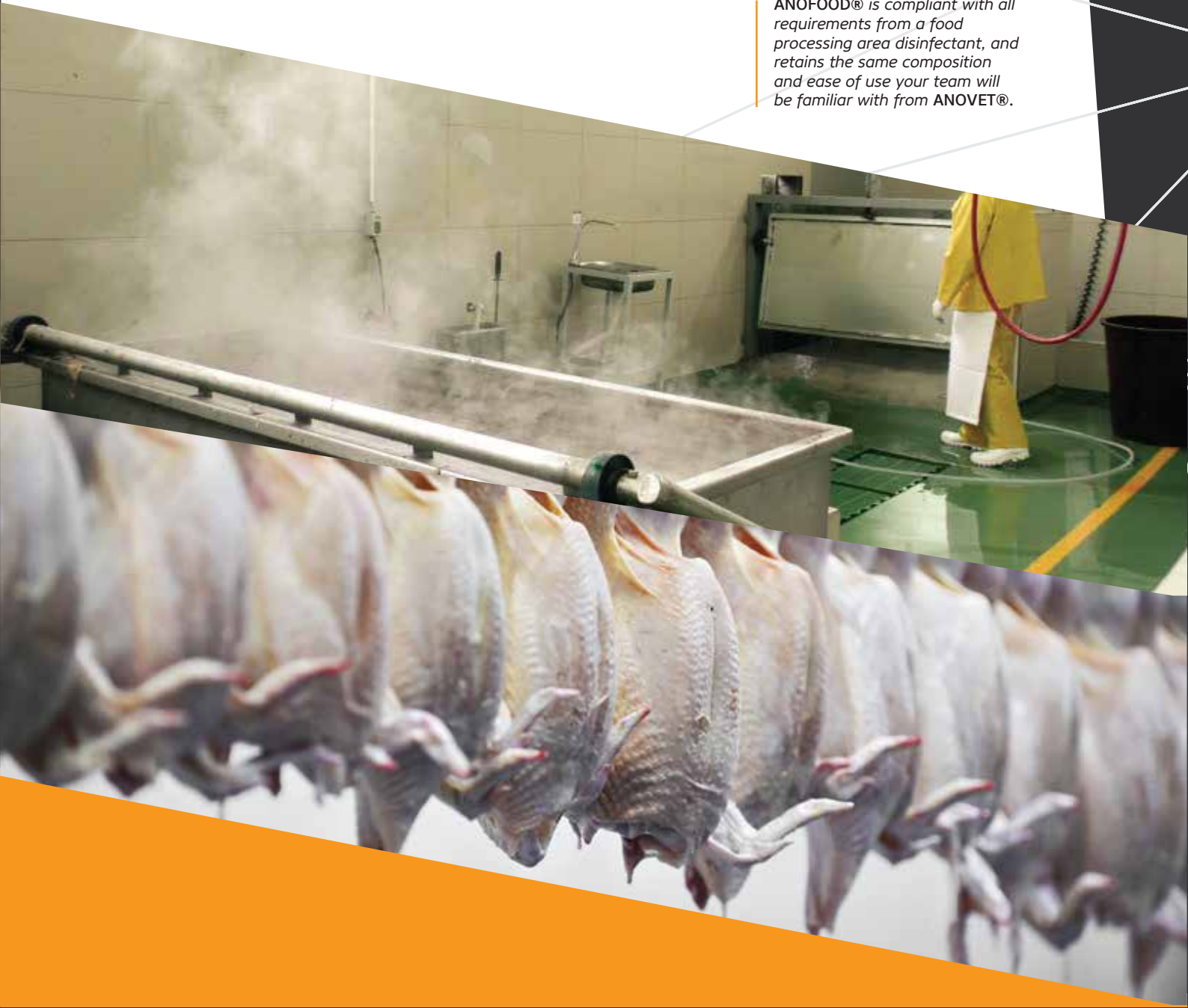
ANOFOOD® SLAUGHTERHOUSE SOLUTION

ANOFOOD® offers various applications to cover all poultry meat processing needs, from disinfection of all machine parts, fogging of the facility, and disinfection soaks depending on slaughterhouse needs.

**For disinfection soaks, an ORP monitor is used to prepare the soak. Our specialists can help in training site staff in preparing soaks according to water cleanliness available through ORP measurements and prescribing the right dosage.*

APPLICATION	DILUTION
Multi surface spraying	15%
Fogging	15 %
Disinfection Soak	650 ORP*

ANOFOOD® is compliant with all requirements from a food processing area disinfectant, and retains the same composition and ease of use your team will be familiar with from ANOVET®.



NORMAL CASES							
BACTERIAL & FUNGAL	CONCENTRATION	DILUTED QUANTITY	FOGGING TIME	AREA	INTERVAL	CONTACT TIME	%REDUCTION
Enterococcus Faecalis	1:06	1 Litre	5 Minutes	35 Sq m	Every second day	5 Minutes	99.9996
Pseudomonas Aeruginosa	1:06	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Staphylococcus Aureus	1:06	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Escherichia Coli	1:06	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Listeria Monocytogens	1:06	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Campylobacter Jejuni	1:06	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Legionella Pneumophila	1:06	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Bacillus Cereus	1:06	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Kelbella Pnueumonia	1:06	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Echerechia Coli	1:06	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Salmonella Enterica	1:06	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Salmonella Typhi	1:06	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Bacillus Subtilis	1:06	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Mycobacterium Testaceum	1:06	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Mycobacterium Tuberculosis	1:06	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Aspergillus Niger	1:06	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9988
Aspergillus Flavus	1:06	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9988
Rhizopus Stolonifer & Candida Albicans	1:06	1 Litre	5 Minutes	35 Sq m	5 Minutes	99.9996	
VIRUS	CONCENTRATION	DILUTED QUANTITY	FOGGING TIME	AREA	INTERVAL	CONTACT TIME	REDUCTION
Adeno Virus	100%	1 Litre	5 Minutes	35 Sq m	Every second day	5 Minutes	4 Log10
BVDV	100%	1 Litre	5 Minutes	35 Sq m		5 Minutes	4 Log10
Polyoma Virus	100%	1 Litre	5 Minutes	35 Sq m		5 Minutes	4 Log10
Polio Virus	100%	1 Litre	5 Minutes	35 Sq m		60 Minutes	4 Log10
Polio VirusType3	100%	1 Litre	5 Minutes	35 Sq m		20 Minutes	4 Log10
Cox-B4 Virus	100%	1 Litre	5 Minutes	35 Sq m		20 Minutes	4 Log10
Influenza Type (H1N2)	100%	1 Litre	5 Minutes	35 Sq m		20 Minutes	4 Log10
Flue Virus (H3N2)	100%	1 Litre	5 Minutes	35 Sq m		20 Minutes	4 Log10
Hepatitis A Virus	100%	1 Litre	5 Minutes	35 Sq m		20 Minutes	4 Log10
Vaccinia Virus	100%	1 Litre	5 Minutes	35 Sq m		20 Minutes	4 Log10
Rift Valley Fever Virus	100%	1 Litre	5 Minutes	35 Sq m		20 Minutes	4 Log10
Vesicular Stoma Titus	100%	1 Litre	5 Minutes	35 Sq m		20 Minutes	4 Log10

ANOVET® kills all unicellular germs indiscriminately, and can be used with high efficacy on all unicellular organisms even if not listed.

OUTBREAK

BACTERIAL & FUNGAL	CONCENTRATION	DILUTED QUANTITY	FOGGING TIME	AREA	INTERVAL	CONTACT TIME	%REDUCTION
Enterococcus Faecalis	1:03	1 Litre	5 Minutes	35 Sq m	Daily	5 Minutes	99.9996
Pseudomonas Aeruginosa	1:03	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Staphylococcus Aureus	1:03	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Escherichia Coli	1:03	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Listeria Monocytogens	1:03	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
Campylobacter Jejuni	1:03	1 Litre	5 Minutes	35 Sq m		5 Minutes	99.9996
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Adeno Virus	100%	1 Litre	5 Minutes	25 Sq m	Daily	5 Minutes	4 Log10
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Polyoma Virus	100%	1 Litre	5 Minutes	25 Sq m		5 Minutes	4 Log10
Polio Virus	100%	1 Litre	5 Minutes	25 Sq m		60 Minutes	4 Log10
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Vaccinia Virus	100%	1 Litre	5 Minutes	25 Sq m		35 Minutes	4 Log10
Rift Valley Fever Virus	100%	1 Litre	5 Minutes	25 Sq m		35 Minutes	4 Log10
Vesicular Stoma Titus	100%	1 Litre	5 Minutes	25 Sq m		35 Minutes	4 Log10

ANOVET® kills all unicellular germs indiscriminately, and can be used with high efficacy on all unicellular organisms even if not listed.

RECOMMENDED EQUIPMENTS

Dosing Systems



Pressure Sprayer



Fogger - Cold Nebulizer



MULTIPURPOSE VOLUMES FOR ANOVET®

Extended line available for application specified use

90-140 OXI Diluted for ready use:

- 500 ml
- 1 Litre



450-550 OXI Concentrated solution:

- 5 Litre
- 20 Litre
- 200 Litre
- 1000 Litre



COMPOSITION

water > 99 %, activated electrochemically by ECALIT process
sodium chloride < 1%, sodium hypochlorite < 0.1%.

HANDLING & STORAGE

Store at room temperature in a cool, dry place.
Protect from direct sunlight.
Opened package should be used within 3 months of opening date.



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