55, Boulevard Jules Verger
35803 DINARD – France

Tel: +33 (0)2 99 16 50 00
poultryandpigs@kersia-group.com

www.kersia-group.com

04/2022

Poultry Farming

Global **hygiene solutions**

kersia®
INVENTING A **FOOD SAFE WORLD**

From **Farm** *to* **Fork**

Dairy FARMING

HEALTHY ANIMAL...
PROFITABLE FARMER

A global approach to minimize infection, increase yield and animal welfare thanks to udder and equipment hygiene, water disinfection and complementary feed.

Pig & Poultry FARMING

ON-FARM BIOSECURITY AND COMPLEMENTARY FEED SOLUTIONS

Innovative biosecurity solutions, consisting of cleaning, disinfection and protection programs combined with complementary feed solutions to secure animals on farm.

Water Treatment

SAFE WATER ... SAFE ANIMALS ...

Make the drinking water safe – offering the livestock farmer a global and complete approach for the welfare and performance of animals.

Hands

TRANSMISSION RISK

Preventing risks associated with the transmission of bacteria, viruses and other pathogens to operators and to consumers is our primary concern.

Food INDUSTRY

COST-EFFICIENT, RESOURCE-SAVING AND SUITABLE SOLUTIONS

Hygiene solutions for all food processing areas and equipments: circuit, pasteurizer, tunnel, cheese mould, surfaces, packaging areas, evisceration areas.

Food SERVICE

CLIENT-TAILORED HYGIENE PROTOCOLS

Hygiene solutions tailored to the degreasing, disinfecting or floor cleaning needs of food preparation laboratories of large retailers and central kitchens.

With Kersia, the farming and food sectors have a business partner committed to the safety of production, processing, distribution and the enjoyment of food, at every stage of the food supply chain.

To this end, we develop reliable cleaning products, ***innovative*** disinfectant solutions and special services based on our scientific expertise and field experience.

Our ***biosecurity*** solutions are constantly reinvented to guarantee full compliance with new ***regulations*** and a ***sustainable*** approach.

Water Purification

MAKING & KEEPING WATER SAFE

Kersia offers solutions for improving access to safe drinking water for humans. Based on our experience and expertise, largely developed with our brand, Aquatabs™, the worldwide leader in human drinking water purification. Our solutions guarantee safe water to ensure Food Safety.

KERSIA VALUES

Biosecurity needs
an integrated approach
to analyse and manage risks.

We eagerly engage our clients to identify issues and focus on their needs to get it right. We deliver reliable results and comprehensive performance by mobilizing the best of our skills and technical talent.

Food safety is challenged
everyday by new and often
unpredictable issues.

We constantly anticipate transformational change.
We think "outside the box" when confronted with new challenges. It is in our nature to innovate and to approach our work with fresh options

Open culture is the secret to progress.

We learn and progress from the experience of customers, colleagues and partners. Honest communication amongst people with different experiences helps us develop new solutions and make a difference.

To believe food is safe, consumers demand total transparency.

We build long-term relationships by being open, ethical and fair.
In a field confronted by sanitary and compliance issues, people trust us since we are true to our word.

kersia®
INVENTING A **FOOD SAFE WORLD**

Hygiene range

FOOD SAFETY
STARTS WITH A COMPREHENSIVE ON FARM CLEANING, DISINFECTION AND PROTECTION PROGRAM

In agricultural production, disease and sickness amongst animals can be very costly, reducing productivity and profitability as well as putting livelihoods at risk. Good hygiene is not a matter of luck or achieved through the use of a single product but as a result of a holistic approach to implementing targeted measures to prevent the risk of infection and contamination by pathogenic microorganisms. By lowering the risk of disease occurrence and providing an enriched environment for animals to thrive, this enables sustainable production to continue and thereby reducing the need for antibiotics and lessening the impact on our planet.

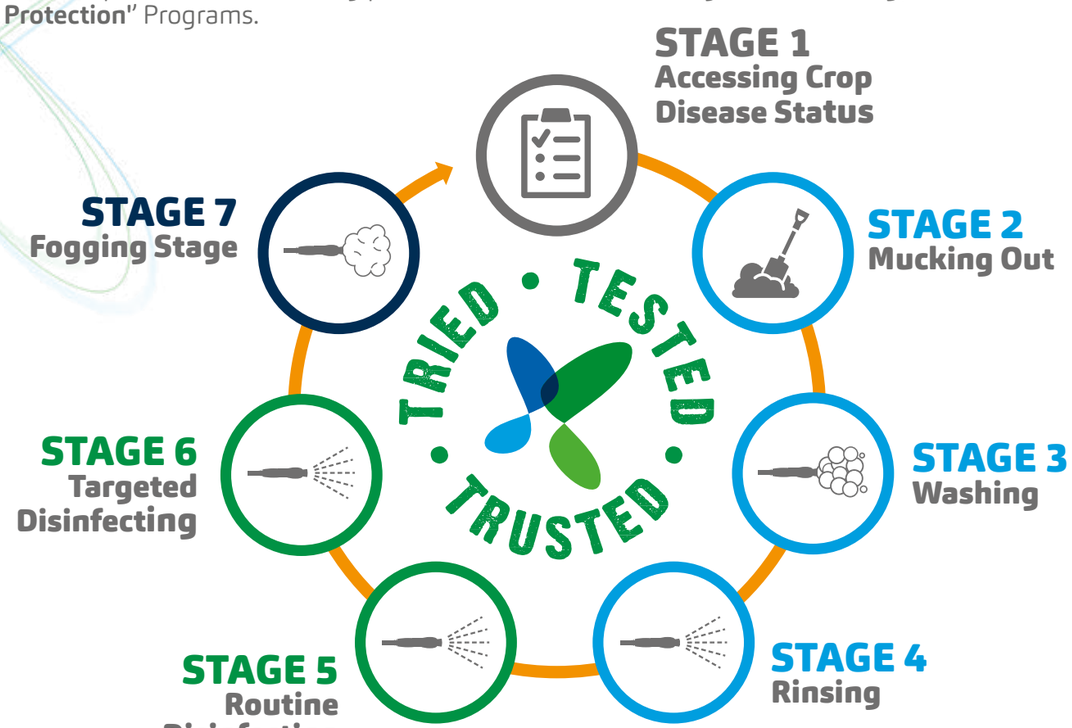
Working in partnership with renowned universities of expertise in the Agri-Food Sector, Innovation is at the core of Kersia - leading the way and constantly evolving to ensure we are meeting market and regulatory requirements, while at the same time continuously focusing on environmental impact and food safety.

Kersia's innovative programs cover a wide range of detergents, routine and targeted disinfectants to ULTRADIFFUSION®. which utilizes a sophisticated slow combustion technology. It diffuses active substance into the air in a uniform and high density dispersion, making it possible to reach the hard-to access areas with a precise dose.

Whether your business involves **poultry farming, hatcheries, feed mills, transport** or **processing** activities, our comprehensive solutions can be adapted to the risks encountered and help you to identify the critical control points allowing the selection of the most suitable products and applications to ensure all microbial and seasonal challenges are covered.

THE COMPLETE PACKAGE TO BENEFIT YOUR FARM

In this context, Kersia is committed to supporting pig and poultry farms through offering complete and comprehensive biosecurity products and solutions, through our "**Cleaning, Disinfection** and **Protection**" Programs.



CLEANING

Cleaning will ensure surfaces and equipment are in the best condition possible for the application of your chosen disinfectant. Sufficient focus and effective front-end cleaning to remove all organic and inorganic matter is an essential part of ensuring a successful biosecurity program. Kersia's range of innovative detergents are specially formulated to ensure maximum wetting, foaming and degreasing properties.

DISINFECTION

Disinfection of surfaces and the efficient disinfection of equipment at the correct dilution rate is essential to ensure microbial challenges are eliminated. Selection of a broad spectrum disinfectant and a targeted disinfectant, when necessary, ensures farms are continuously improving standards, enhancing productivity, ensuring the safety of consumers and operators, which ultimately leads to more sustainable and profitable farms.

AERIEL DISINFECTION

Disinfection of the air through fogging, fumigation or Ultradiffusion® is essential to reduce airborne bacteria, moulds and viruses in hard to reach areas. This offers a complete and final protection in a terminal disinfection program before the re-introduction of livestock and is a critical part of the complete hygiene biosecurity program to reduce the spread of airborne micro-organisms.

PROTECTION

Protection is an important pillar of a successful biosecurity concept which focuses on preventing the penetration and spread of microorganisms into an area and the resulting contamination of animals. Kersia offers a comprehensive approach with leading and innovative products focused on the disinfection of water, boots, tires, transport boxes and hands.

TRIED • TESTED • TRUSTED

A TRIED, TESTED AND TRUSTED METHOD

Kersia offers globally tried and tested biosecurity programs, based on innovative and efficient products, methods and procedures that respect good practice and maximise the safety level in terms of hygiene.

We want to be your trusted partner to better the health situation of your animals, improve the working conditions of your staff, decrease the use of antibiotics and increase the overall profitability of your farm.

1 Detergents

Cleaning will ensure surfaces and equipment are in the best condition possible for the application of your chosen disinfectant. It is essential to choose the correct detergent and application to achieve the removal of all organic and inorganic matter, in order to start a successful biosecurity program. Kersia's range of innovative detergents are specially formulated to ensure maximum wetting, foaming and degreasing.

ALKALINE DETERGENTS

Due to the nature of poultry farming, heavy soiling in the form of organic matter requires a good all round detergent. Alkaline detergents should be used to remove all sorts of organic matter and prepare the surfaces and equipments in the best possible way for the following disinfection process.

ULTRAFOAM

SURFACES EQUIPMENT Spray Foam Dip

A concentrated alkaline detergent with high sequestering power, strong foaming, wetting and emulsifying properties for the removal of organic matter. Effective at low temperatures in both hard and soft water, for an all-round premium performance.

RECOMMENDED USAGE

% 1-4% dilution depending on level of soiling.

≥20 min.

ECOFOAM ADVANCED

SURFACES EQUIPMENT Spray Foam Dip

Ultra-high performance alkaline, long cling, foam detergent. Effective for fat and protein removal on heavily soiled areas and effective in both hard and soft water.

RECOMMENDED USAGE

% 1-2% dilution depending on level of soiling.

20 - 60 min.

AGATENS

SURFACES EQUIPMENT Spray Foam Dip

A highly alkaline foaming cleaning concentrate with a special cleaning and degreasing function for removing of organic contaminants such as grease, protein, oil and animal excreta.

RECOMMENDED USAGE

% 1-5% dilution depending on level of soiling.

20 - 30 min.

VIROFOAM

SURFACES EQUIPMENT Spray Foam Dip

An economical, alkaline blended long cling foam detergent that provides effective removal of fat, grease and soil. Advanced stable foam that provides powerful cleaning action and cling to vertical and smooth surfaces.

RECOMMENDED USAGE

% 1-3% dilution depending on level of soiling.

≥ 20 min.

AGACREAM

SURFACES EQUIPMENT Spray Foam Dip

A highly alkaline, high foaming detergent with strong adhesion to surfaces and a special cleaning and degreasing function for the removal of fat and protein on heavily soiled areas.

RECOMMENDED USAGE

% 2-5% dilution depending on level of soiling.

≥ 10 min.

FOAM BASE

SURFACES EQUIPMENT Spray Foam

An economical high alkaline liquid detergent enriched by a complexing agent for a special cleaning of organic matter on heavily soiled surfaces on farms. Strong and visible foam that easily dissolves fat and protein.

RECOMMENDED USAGE

% 1-5% dilution depending on level of soiling.

≥ 10 min.

CLEAN DT

SURFACES EQUIPMENT Spray Foam Dip

Alkaline foaming detergent, suitable for pre-soaking and cleaning surfaces and equipment in livestock farms. Foaming detergent, rich in wetting surfactants and emulsifying properties.

RECOMMENDED USAGE

% 1-3% dilution depending on level of soiling.

≥ 60 min.

Dangerous. Comply with precautions for use.

ENZYMATIC DETERGENT

Enzymatic detergents are very effective for biofilm and other organic matter removal. Enzymatic detergents are based upon amylase for loosening starchy dirt, protease for loosening protein-containing dirt and lipase for loosening greasy dirt.

CLEARZYM LT

SURFACES EQUIPMENT Spray Foam Dip

A tri-enzymatic, foaming, natural detergent based on protease, amylase and lipase. Specially formulated to obtain high emulsifying, dispersing and foaming properties. Promotes degradation of 'Exopolysaccarides', which can cause the adhesion of microorganisms to surfaces.

RECOMMENDED USAGE

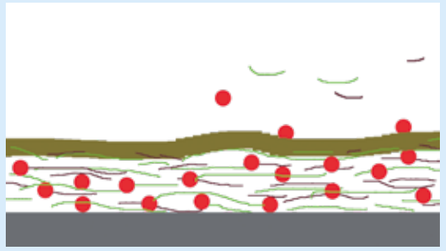
% 2-4% dilution depending on level of soiling.

≥ 15 min. For effective removal of biofilm.

ENZYMATIC DETERGENT - MODE OF ACTION

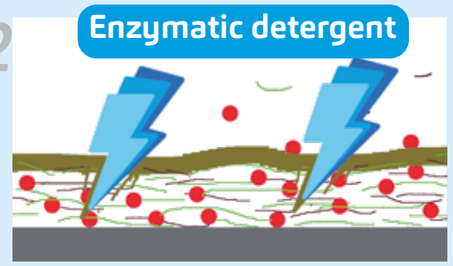
Biofilms are nests of microorganisms that can grow on many surfaces and can cause serious contamination to their surroundings.
Microorganisms in the biofilm are protected by the EPS (extracellular polymeric substance) matrix and natural polymers (polysaccharides, proteins) secreted by microorganisms which ensures survival even under extreme conditions (low pH, biocidal substances).

1



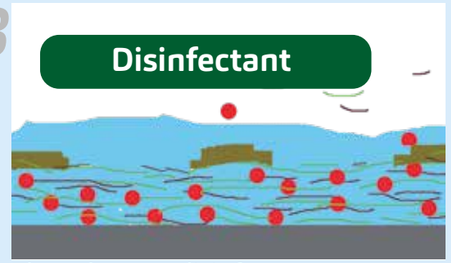
When we use detergent it only removes the upper layers of the biofilm but not everything, so the biofilm keeps growing.

2



In order to remove biofilm, the EPS matrix, the shield of the biofilm has to be destroyed with an enzymatic detergent.

3



The chosen disinfectant can now reach the contaminated surface and kill the microorganisms.

4

This leads to deeply cleaned surfaces and full working spectrum of the chosen disinfectant.

ACID BASED DETERGENT

Acid detergents are used to remove scale by dissolving mineral deposits (Calcium and Magnesium precipitates) or hard water deposits from equipment surfaces. Acid cleaning on a regular basis to achieve clean and smooth surfaces for an optimum disinfection result, is especially important in drinking lines, where animals regularly come in contact with.

FOAM ACID

SURFACES EQUIPMENT Spray Dip

Acid based detergent with a particularly good dirt dissolving power. Suitable for dissolving encrusted excrement in salmonella-contaminated poultry houses and cleaning of drinkers and equipment made of stainless steel, galvanized metals as well as acid-resistant plastics.

RECOMMENDED USAGE

% 2-5% dilution depending on level of soiling.

≥ 10 min.

DUAL ACID

SURFACES EQUIPMENT Spray Dip

A blended descaler and circulation cleaner containing nitric acid and phosphoric acid. Effective cleaning at normal temperatures and enhanced performance with higher temperatures up to 85°C.

RECOMMENDED USAGE

% 1-20% dilution depending on level of soiling.

≥ 30 min.

2-4rs. for poultry equipment and drinkers.

Dangerous. Comply with precautions for use.

2 Disinfectants

Disinfection of surfaces and equipment at the correct dilution rate are essential to ensure microbial challenges are eliminated.

The selection of a broad spectrum disinfectant and a targeted disinfectant, when necessary, ensures farms are continuously improving hygiene standards and animal health conditions, which in turn enhances productivity and ultimately leads to more sustainable and profitable farms.

ROUTINE DISINFECTION

HYPRED FORCE 7

SURFACES · EQUIPMENT · Spray · Spray thermofogging · Foam

Broad spectrum glutaraldehyde and quaternary ammonium based disinfectant with a wide spectrum of activity against bacteria, viruses and yeasts. Effective in the presence of residual organic matter.

RECOMMENDED USAGE

%	0.75% Bactericidal	1% Virucidal	0.5% Yeasticidal
⏱	≥ 30 min.	≥ 30 min.	≥ 30 min.
⚗	Glut/QAC		

VIROSHIELD

SURFACES · EQUIPMENT · Spray · Foam · Dip

Broad spectrum gluteraldehyde and quaternary ammonium based heavy duty disinfectant with a wide spectrum of activity against bacteria and viruses. Powerful foaming, kind to many surfaces with a indiluted pH of 5 and effective in the presence of residual organic matter.

RECOMMENDED USAGE

%	0.5% Bactericidal	1% Virucidal
⏱	≥ 30 min.	≥ 30 min.
⚗	Glut/QAC.	

FUMAGRI EFFISAFE

SURFACES · EQUIPMENT · Spray · Dip

Disinfectant based on two active ingredients that are fast acting, non-corrosive and which offers a broad spectrum of activity. Effective against viruses, bacteria, yeast, fungi and mycobacteria. FUMAGRI EFFISAFE is an alternative to gluteraldehyde and QAC.

RECOMMENDED USAGE

%	1% Bactericidal, Virucidal, Yeasticidal	1% Mycobactericidal 2% Fungicidal	3% Fungicidal
⏱	≥ 30 min.	≥ 60 min.	≥ 30 min.
⚗	Chlorocresol & OPP (Orthophenylphenol).		

Disinfectants are regulatory biocides. They have guarantees of efficiency and protection of human, animals and the environment. Use biocides safely. Before use read the label and product information. Dangerous. Comply with precautions for use.

BEFORE

KILCOX EXTRA

SURFACES EQUIPMENT Spray Foam Dip

A heavy duty terminal disinfectant with a blend of chlorocresol, glutaraldehyde and a quaternary ammonium compound, effective at times of severe disease challenge against viruses, bacteria and yeasts.

RECOMMENDED USAGE

%	0.5% Bactericidal	2% Virucidal	3.5% Yeasticidal
	≥ 30 min.	≥ 30 min.	≥ 60 min.

Glut/QAC/Chlorocresol.

AGACID FORTE

SURFACES EQUIPMENT Spray Foam Dip

A formaldehyde-free foaming disinfectant concentrate with a wide spectrum of activity against bacteria, viruses and yeasts. Can be used effectively even at low temperatures. An excellent depth effect with low odor load.

RECOMMENDED USAGE

% 0.75% Bactericidal, Virucidal and Yeasticidal

≥ 30 min.

Glutaral, Didecyldimethylammoniumchlorid.

AGACID

SURFACES EQUIPMENT Spray Dip

An aldehyde-free and QAC-free disinfectant based on formic acid with a wide spectrum of activity against bacteria, viruses and yeast. It acts quickly and reliably on all acid-resistant surfaces and can be used at low temperatures.

RECOMMENDED USAGE

% 2% Bacterial, Virucidal and Yeasticidal

≥ 60 min.

Formic acid.

BEFORE

VIREX

SURFACES EQUIPMENT Spray Dip

A powder disinfectant with a broad spectrum of activity effective against bacteria, yeasts and viruses for surfaces, equipment, footbaths and vehicles.

RECOMMENDED USAGE

%	1% Bactericidal	1% Virucidal	3% Yeasticidal
	≥ 30 min.	≥ 30 min.	≥ 30 min.

Active chlorine generated from precursors.

AVIAN INFLUENZA

Avian Influenza is a highly contagious viral disease. The virus has a high stability in the environment and is highly contagious. Transmission can occur through direct contact or via contaminated feed and fomites such as shoes, clothes, vehicles, knives, equipment etc.

We advise to follow a strict cleaning, disinfection & protection program.

Product	Test Method	Concentration	Degrees	Contact Time	FBS (soiling)
VIREX	EN 14675	1.50 %	4 °C	30 min.	3 g/l BSA
		1.00 %	10 °C	30 min.	10 g/l BSA + 10g/l yeast extract
FUMAGRI EFFISAFE	EN 14675	0.50 %	10 °C	30 min.	3 g/l BSA
	EN 17122	0.20 %	10 °C	30 min.	3 g/l BSA
HYPRED FORCE 7	EN 14675	0.50 %	4 °C	30 min.	3 g/l BSA
		1.00 %	10 °C	5 min.	3 g/l BSA
VIROSHIELD	EN 14675	0.50 %	10 °C	30 min.	3 g/l BSA
HPPA	EN 14675	1.00 %	10 °C	30 min.	3 g/l BSA
VIROBACTER	EN 14675	0.75 %	10 °C	30 min.	3 g/l BSA
	EN 17122	0.50 %	10 °C	30 min.	3 g/l BSA
KILCOX EXTRA	EN 14675	2.00 %	10 °C	30 min.	3 g/l BSA

Product	Test Method	Application	Degrees	Contact Time	Conducted on
Fumagri OPP	NFT 72-281	0,8g/m³	20°C	5 hours	AI Virus Type A (H9N2)

Disinfectants are regulatory biocides. They have guarantees of efficiency and protection of human, animals and the environment. Use biocides safely. Before use read the label and product information. Dangerous. Comply with precautions for use.

AGAVOX-N

SURFACES EQUIPMENT Spray Foam Dip

A powder disinfectant that generates peracetic acid in-situ from sodium percarbonate and tetraacetylethylenediamine (TAED). Neutral diluted pH and fast acting against bacteria, viruses, fungi and spores on surfaces and equipment.

RECOMMENDED USAGE

%	1% Bactericidal (non-porous surfaces)	2% Bactericidal (porous surface)	1% Virucidal	1% Yeasticidal
	≥ 5 min.	≥ 60 min.	≥ 5 min.	≥ 5 min.

Peracetic acid generated in situ from sodium percarbonate and tetraacetylethylenediamine (TAED).

SEPTRIVET G

SURFACES EQUIPMENT Spray Foam Dip

A powder disinfectant based on sodium dichloroisocyanurate dihydrate. Almost neutral pH in solution and effective even in low temperatures against bacteria, viruses, fungi and yeast on surfaces and equipment.

RECOMMENDED USAGE

%	0.4% Bactericidal, Virucidal, & Yeasticidal	2% Fungicidal
	≥ 30 min.	≥ 30 min.

Active chlorine released from sodium dichloroisocyanurate dihydrate.

PERACETIC DISINFECTION

HPPA

SURFACES EQUIPMENT Spray Foam Dip

A broad spectrum 5% peracetic acid, fast acting and low foaming on surfaces, equipment and water systems. HPPA - Hydrogen Peroxide Peracetic Acid.

RECOMMENDED USAGE

%	1% Bactericidal	0.5% Virucidal	1% Yeasticidal
	≥ 30 min.	≥ 30 min.	≥ 30min.

Peracetic Acid.

AGACID 5+

SURFACES EQUIPMENT Spray Foam Dip

A highly stabilised and foaming disinfectant based on peracetic acid. It is fast-acting and can be optimally used at low temperatures and with conventional water hardnesses. An excellent depth effect with low odor load makes the use of AGACID 5+ possible for many tasks.

RECOMMENDED USAGE

%	0.4% Bactericidal	1.25% Virucidal	0.6% Yeasticidal
	≥ 5 min.	≥ 5 min.	≥ 5 min.

Peracetic Acid.

VIROBACTER

SURFACES EQUIPMENT Spray Foam Dip

A peracetic based disinfectant with foaming properties and oxidizing agent. Suitable for surfaces and dipping of equipment. Effective against bacteria and yeasts.

RECOMMENDED USAGE

%	0.8% Bactericidal and Yeasticidal	2% Virucidal
	≥ 30 min.	≥ 30 min.

Peracetic Acid.

Disinfectants are regulatory biocides. They have guarantees of efficiency and protection of human, animals and the environment. Use biocides safely. Before use read the label and product information. Dangerous. Comply with precautions for use.

IODINE BASED DISINFECTION

GERMICIDAN IODES

SURFACES · EQUIPMENT · Spray

An iodine-based disinfectant suitable for disinfection of clean non-porous surfaces in animal houses of sows, fattening pigs and poultry. In addition to its good material compatibility, the product is effective at low temperatures.

RECOMMENDED USAGE

%	1% Bactericidal	1% Virucidal & Yeasticidal
	≥ 30 min.	≥ 60 min.
	Iodine.	

VIROPHOR 2.8%

SURFACES · Spray · Foam

An iodine-based disinfectant suitable for disinfection of foot wear and surfaces in animal and poultry housing. A concentrated product that should be used by trained professionals due to the corrosive nature of the concentrate and diluted product.

RECOMMENDED USAGE

%	2% Bactericidal & Yeasticidal (surfaces & footwear)	2% Virucidal (surfaces)
	≥ 1 min.	≥ 30 min.
	Iodine.	

TARGETED DISINFECTION

AGAKOK 2.5

SURFACES · EQUIPMENT · Spray · Foam · Dip

A large spectrum lightly foaming disinfectant for the control of Coccidiosis and Cryptosporidiosis and Ascari Suum. Also effective against viruses, bacteria, mycobacteria, yeast and fungi.

RECOMMENDED USAGE

%	1% Bactericidal, Virucidal, Fungicidal, Yeasticidal	1% Mycobatericidal	2% Cryptosporidia / Coccidia challenge 2.5% Ascari suum
	≥ 30 min. / ≥ 10°C	≥ 60 min. / ≥ 10°C	≥ 120 min. / ≥ 20°C
	Chlorocresol.		

CYCLEX

SURFACES · Spray · Foam · Dip

A Chlorocresol, L(+)-Lactic acid, salicylic acid based and QAC free disinfectant with microbial properties. Clinically proven in the defence against oocysts responsible for Coccidiosis and Cryptosporidiosis.

RECOMMENDED USAGE

%	3% Bactericidal	4% Cryptosporidia / Coccidia challenge
	≥ 30 min.	≥ 4 hours
	Chlorocresol, L(+)-Lactic acid, salicylic acid.	

Choose the RIGHT DISINFECTANT for your MICROBIAL CHALLENGE!

Campylobacter · *Clostridia* · **Coccidiosis**
Staphylococcus Aureus · *Streptococcus Uberis*
Brucellosis · *Pasteurella* · **Avian Influenza**
Salmonella · *Mycobacterium (TB)* · Mycoplasma · **E. coli**

Disinfectants are regulatory biocides. They have guarantees of efficiency and protection of human, animals and the environment. Use biocides safely. Before use read the label and product information. Dangerous. Comply with precautions for use.

3 Ultradiffusion®

"State of the art technology you can trust"

ULTRADIFFUSION® is a non-pyrotechnic, slow combustion technology diffusing active substance in the air thanks to a thermokinetic effect.

ULTRADIFFUSION® enables uniform, very high density diffusion in the whole volume of the room to be treated, including hard-to-access zones, with precise dose adjustment.

ULTRADIFFUSION® offers an alternative that pays greater respect to the toxicological and ecotoxicological issues than other methods, without compromising efficacy.

APPLICATION IN SURFACE DISINFECTION – MODE OF ACTION

1 EMISSION

The active substance rises up leaving the operator time to exit the room. It is propelled by slow, non-pyrotechnic combustion time.

2 DISPERSAL

The active substance gradually covers the whole volume of the room, starting with the ceiling.

3 EXPANSION

In less than an hour, several billion components reach into the deepest nooks and crannies and come into contact with any micro-organisms that are present.

4 SEDIMENTATION

Between 4h and 8h the components have sedimented.

SIMPLE & EASY-TO-USE:

A 4 STEP PROCESS

1 FLIP OVER THE TIN SEVERAL TIMES

2 OPEN THE CANISTER AND PLACE IT ON A HEAT RESISTANCE SURFACE

3 SLOWLY LIGHT THE WICK PLACE THE PERFORATED COVER ON THE TIN WHEN APPLICABLE

4 THE ACTIVE SUBSTANCE RISES UP, LEAVING THE OPERATOR TIME TO EXIT THE ROOM. IT IS PROPELLED BY A SLOW, NON-PYROTECHNIC COMBUSTION

Benefits:

Efficient: Homogeneous dispersion & optimal particle size allowing prolonged contact time dispersion to hard to reach zones.

Versitile & Cost Effective: Ready to use, no water required & precise dose adaption according to the volume to be treated.

Reliable: Slow and non-pyrotechnic wick, operator not required in room during process, no risk of corrosion & limitation of residues.

FUMAGRI OPP

Ultradiffusion®

A bactericidal, yeasticidal and fungicidal disinfectant with OPP, dispersion by ULTRADIFFUSION®. Proven efficacy against specific viruses (Avian influenza (H9N2), Newcastle disease, Infectious bursal disease) and bacteria (Salmonella) and demonstrated effective towards the prevention of Aspergillus and moulds. Suitable for animal housing.

RECOMMENDED USAGE

ULTRADIFFUSION is a 2nd disinfection 24-48 hours before animals arrival when equipment & bedding is in place.
Optimal conditions: Temperature >9°C, Humidity 50-80%.

≥ 15 hours.

Biphenyl-2-ol (OPP - Orthophenylphenol).

FUMAGRI HA

Ultradiffusion®

A bactericidal, yeasticidal, fungicidal and virucidal disinfectant with glycolic acid, dispersion by ULTRADIFFUSION®. Demonstrated prevention against Aspergillus and effective against Salmonella. Biodegradable, non staining, non corrosive on steel & aluminium and uniform diffusion of disinfectant. Suitable for hatcheries and feed silos.

RECOMMENDED USAGE

ULTRADIFFUSION is a 2nd disinfection.
Optimal conditions: Temperature >9°C, Humidity 50-95%.

≥ 15 hours.

Glycolic Acid.

4 Water Hygiene

The importance of water quality

Clean water is essential to healthy chickens. Contaminated water not only leads to diseases, but it can have a significant impact on growth and productivity. Studies show that poultry with good quality water, grow faster and healthier, reducing the need for antibiotic treatment.

Kersia's approach to offer healthy and clean water to your animals is achieved through a comprehensive water hygiene programme containing 4 necessary steps:

1) Undertake water analysis
2) Clean pipes and drinkers, both internally and externally
3) Disinfect clean tanks and pipes from the inside, use a "shock-disinfection"
4) Continuous water treatment

It is essential that no part of the water system is overlooked in the cleaning and disinfection procedure. On-going water treatment with products such as AQUATABS®, a world leader in water disinfection, is essential to ensure microbial levels remain low and to prevent biofilm build up.

WATER SYSTEM CLEANING:

A 4 STEP PROCESS

1. Analysis

Undertake water analysis to determine micro and scale causing microbial levels.

2. Cleaning

a) Choose a suitable detergent cleaner and descaler for inside the pipes and tanks.

b) Choose a suitable detergent cleaner for outside the pipes and drinkers.

3. Shock Disinfection

Use a shock disinfection between two crops to reduce microbial challenges.

4. Continuous Treatment

Choose a suitable water disinfection treatment for avoiding the reestablishment of the exopolysaccarides matrix which is bearing the biofilm and to ensure continuous supply of clean water.

AQUATABS®

DRINKING WATER · Tablet

Effervescent tablets based on NaDCC for disinfecting of stock animal drinking water.
In solution, the precursor NaDCC releases active chlorine through a reservoir system with an optimum pH level (~6) and keeps the water safe by maintaining an equilibrium between active chlorine and free chlorine. As active chlorine is progressively consumed by disinfection, the tablets replenish the consumed active chlorine as needed.

ADVANTAGES	RECOMMENDED USAGE
• Biofilm control • Simple to use • Maintains healthy water • Optimises breeding performance • Approved for use in human drinking water • Dissolves rapidly and completely • Contains no heavy metals	Application - Dosing pump, Troughs and Water tanks. 1 AQUATABS® tablet in 5000 litres of water = 1ppm Active Chlorine. Active chlorine released from troclosene sodium.

AQUATABS® IN-LINE

DRINKING WATER · Cartridge

An innovative system for disinfecting water at point of collection with no power required and works on the flow of the water. Water is forced down through a cartridge and around TCCA tablets, which erode to mix the required level of chlorine into the water line.

ADVANTAGES	RECOMMENDED USAGE
• Biofilm control • Easy to install, no power required • Low maintenance and no moving parts • Maintains healthy water • Cost effective and sustainable water solution	Each cartridge treats 360,000 litres @ 2-3ppm at 100% water flow. Active chlorine released from symclosene instead of trichloroisocyanuric acid.

5 Complementary categories

Kersia's complementary categories focuses around 'Protection' with a range of leading and innovative products.

A full and complete biosecurity programme is vital in the prevention of micro-organisms re-entering and contaminating clean buildings and equipment, preventing a disease entering a site, being spread through a site or being carried from site to site.

Routine measures such as wheel disinfection, foot and hand disinfection are just a few important steps in protecting your livestock. It is important that routine steps are in place and monitored at all times to reduce the risk of contamination.

VEHICLE CLEANING

Transport comes in many forms across the industry and is present in all parts of the process chain. From a live animal vehicle, to a feed tanker or egg truck, the movement of vehicles and transport boxes from and between various sites can pose a significant biosecurity risk in the spread of disease. Kersia solutions range from wheel disinfection entering and exiting sites to the internal cleaning of transport vehicles.

AGRIMAT

VEHICLES · Spray · Foam

A specialised alkaline detergent for the cleaning and removal of static film, mineral fats and oils, diesel fuel stains and brake dust. Effective on black marks and rubber tyres. Also acts as a mosquito repellent.

RECOMMENDED USAGE

- % 2-20% dilution depending on level of soiling.
- ≥ 5 min.
- Alkaline, surfactant.

KLEENFLEET

VEHICLES · Spray · Foam

A mildly alkaline blended detergent for the removal of traffic film. Highly concentrated and effective in hard water.

RECOMMENDED USAGE

- % 1-2% dilution depending on level of soiling.
- ≥ 5 min.
- Sodium Hydroxide.

VEHICLE & FOOT DISINFECTION

The movement of vehicles, animals and persons such as staff and visitors between buildings and sites poses a significant biosecurity risk within poultry farms. Ensuring the disinfection of transport boxes, vehicles, wheels and foots is very important in preventing spread of disease.

FUMAGRI EFFISAFE

VEHICLES · FOOTDIP · Spray · Dip

A disinfectant based on two actives, fast acting, non-corrosive, biodegradable and which offers a broad spectrum of activity. Suitable for surfaces, footbaths, transportation lorries & wheel disinfectant mats. Alternative to gluteraldehyde and QAC.

RECOMMENDED USAGE

- % 2% bactericidal, yeasticidal & virucidal for foot bath and wheel disinfection.
- ≥ 5 min.
- Chlorocresol & OPP (Orthophenylphenol).

BEFORE

VIREX

VEHICLES · FOOTDIP · Spray · Dip

A powder disinfectant with a broad spectrum of activity, effective against bacteria, yeasts and viruses for surfaces, equipment, foot baths and vehicles.

RECOMMENDED USAGE

- % 1% bactericidal & virucidal for foot bath & wheel disinfection. 3% yeasticidal for foot bath & wheel disinfection.
- ≥ 30 min. ≥ 30 min.
- Pentopotassium Bis.

BEFORE

AGAVOX-N

VEHICLES · Spray · Dip

A powder disinfectant that generates peracetic acid in-situ from sodium percarbonate and tetraacetylethylenediamine (TAED). Neutral pH and fast acting against virucidal, bactericidal and yeasticidal in 5 minutes.

RECOMMENDED USAGE

- % 1% bactericidal, yeasticidal and virucidal for wheel disinfection.
- ≥ 5 min.
- Sodium Percarbonate (Peroxide) & activator.

PERSONAL CARE

Ensuring all staff, visitors and contractors are wearing the correct PPE and following the correct procedures for hand hygiene when entering and exiting buildings and sites, is an essential protection measure.

SOFTY TOUCH

A pH-neutral and dermatologically tested wash lotion which maintains the lipid protection of the skin. It is formulated with surfactants based on their excellent tolerability with the skin and special cleaning abilities. Free of fragrance and dye.

RECOMMENDED USAGE

Get your hands and forearms wet.
Take a SOFTY TOUCH' dose.
Rub your hands and forearms and brush your nails.
Rinse and dry with a disposable towel.

DISINFECTANT GEL

A broad spectrum disinfection gel with bactericidal, fungicidal and virucidal efficacy. Ready to use without rinsing and suitable for frequent use. Fragrance and dye free.

RECOMMENDED USAGE

Wash your hands first.
Put 3 ml in your cupped hand and rub your hands depending on the desired effect:
- 30 seconds - bactericidal and fungicidal effect.
- 90 seconds - bactericidal, fungicidal and virucidal activity.
Do not rinse or dry your hands.

DISINFECTANT SOLUTION

A broad spectrum solution with bactericidal, yeasticidal, fungicidal and virucidal efficacy. Ready to use without rinsing and suitable for frequent use. Fragrance and dye free.

RECOMMENDED USAGE

Wash your hands first.
Put 3 ml in your cupped hand and rub your hands depending on the desired effect:
- 30 seconds - bactericidal, yeasticidal and fungicidal effect.
- 90 seconds - bactericidal, yeasticidal, fungicidal and virucidal activity.
Do not rinse or dry your hands.

Disinfectants are regulatory biocides. They have guarantees of efficiency and protection of human, animals and the environment. Use biocides safely. Before use read the label and product information. Dangerous. Comply with precautions for use.

NOTES

kersia®
INVENTING A **FOOD SAFE WORLD**

#1 pure player
for Food Safety
from Farm to Fork

In an ever-changing world,
Kersia is dedicated
to inventing solutions
which will best address
today's and tomorrow's
Food Safety challenges.

www.kersia-group.com