



# Disinfection Animal

logicChemie

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# Why do we need disinfection for animals

## ■ Disease Prevention:

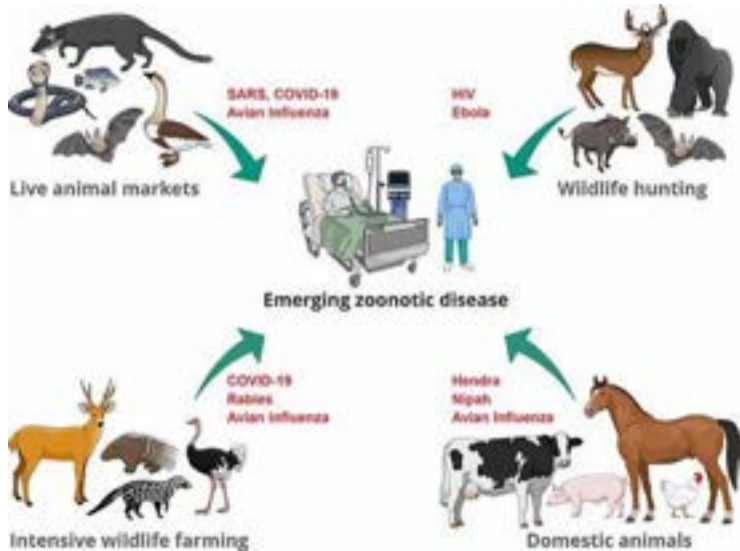
Animals, like humans, can carry and transmit a wide range of infectious diseases, including bacterial, viral, and fungal infections. Disinfection helps to eliminate or reduce pathogens present in their environment, minimizing the risk of disease transmission between animals and to humans.

## ■ Biosecurity:

Disinfection is a crucial component of biosecurity protocols in animal facilities, farms, veterinary clinics, and animal shelters. By disinfecting surfaces, equipment, and facilities, the spread of contagious diseases within and between animal populations can be controlled, helping to maintain the health and welfare of animals.

## ■ Preventing Zoonotic Diseases:

Many infectious diseases can be transmitted between animals and humans, known as zoonoses. Disinfection plays a critical role in reducing the risk of zoonotic disease transmission, protecting both animals and people who come into contact with them.



- **Control of Parasites:** Disinfection can also help control the spread of parasites, such as mites, ticks, and fleas, which can infest animals and cause discomfort, disease, and sometimes even death. Cleaning and disinfection of animal housing and grooming equipment can help prevent parasitic infestations.

- **Promoting Animal Welfare:** Maintaining clean and hygienic conditions is essential for promoting animal welfare. Disinfection helps to create a healthy environment that supports the physical and psychological well-being of animals, reducing the risk of stress, illness, and injury.

- Overall, disinfection for animals is critical for protecting animal health, preventing disease transmission, and promoting overall welfare, as well as safeguarding human health through the prevention of zoonotic diseases.



# LogicSept Animal

- **Specialized Disinfectant Formula:**

Introducing Logic Sept Animal, a specialized disinfectant formulated for direct application on animals.

- **Promotes Healthy Environments:**

Use Logic Sept Animal in kennels, stables, and other animal housing areas to promote a clean and healthy environment.

- **Safe and Effective:**

Safe and effective for use on animals, Logic Sept Animal provides peace of mind without the use of harsh chemicals.

- **Maintains Animal Wellness:**

With Logic Sept Animal, you can maintain the wellness of your animals while effectively controlling the spread of pathogens.



- **Crucial Component for Animal Health:**

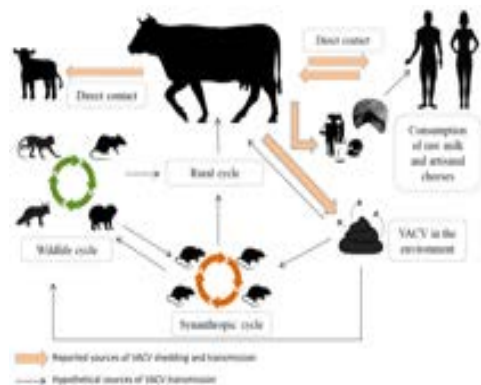
- Logic Sept Animal disinfectant is essential for maintaining optimal health conditions for animals in various settings, including farms, veterinary clinics, and residential pet care.

- **Non-Toxic and Eco-Friendly Formula:**

- Formulated to be non-toxic and eco-friendly, Logic Sept Animal is safe for direct application on animals, ensuring their well-being.

- **Effective Pathogen Combat:**

- This specialized disinfectant effectively combats a broad spectrum of pathogens, including COVID, Bird flu, Swine flu, PARA-influenza, E. coli, and Pseudomonas, providing robust disease prevention.



# Proven Efficacy in Rigorous Tests:

- Our advanced disinfectant formula undergoes rigorous testing, including DIN EN 14476, DIN EN 1500, and DIN EN 1040, demonstrating its high efficacy against viruses, bacteria, and fungi across various settings.

- Contents:

Benzalkonium Chloride: A potent antimicrobial agent known for its efficacy against a wide range of pathogens.  
Aloe Vera: Enriched with 20% aloe vera for added moisturization and skin-soothing benefits.





# Why

## Logic Sept Animal

- Most of the products contain bleach, ethanol or other harmful ingredients
- Ethanol is being used by big companies/brands but is known that it causes cancer
- Normal disinfectants contain an alcohol percentage between 70 – 96% alcohol which is harmful
- High alcohol percentage kills all bacteria: good and bad ones
- Good bacteria are the ones that protect your body, bad bacteria contains virus and makes people sick
- Normal disinfectants only kill the bacteria at that moment and does not protect
- Because of the pico-technology the product stays in the skin



## What Real Solution Means: **Logic Sept Animal**

<b>What Logic Animal is:</b>	<b>Why Logic Sept Animal is like this:</b>
<b>Skin Compatible:</b> dermatological tested and rated as "excellent".	<ul style="list-style-type: none"><li>– Benzalkonium chloride which is similar to soap.</li><li>– Aloe vera cares for the skin and works also bactericidal and virucidal.</li></ul>
<b>Wholesome Protection:</b> Tested according to PN-EN 1500 and DIN EN 1040	<ul style="list-style-type: none"><li>– Benzalkonium chloride has the effect that gram-positive as well as gram-negative pathogens are quickly killed.</li><li>– Good bacteria are not attacked.</li><li>– The protective layer of the skin is protected and nurtured.</li><li>– Does not cause allergies, dryness or cracks on the skin.</li><li>– Does not cause organic ailments as others do.</li></ul>
<b>Long-lasting:</b> Works disinfecting all day	<ul style="list-style-type: none"><li>– Common disinfectants are based on high percentage alcohol.</li><li>– The alcohol loses its effect within a few minutes.</li><li>– Logic Sept Animal does not have this problem.</li></ul>

# So how does it work?

## ■ Cationic Surfactant Properties:

Benzalkonium chloride is classified as a cationic surfactant, characterized by a positive electrical charge and a large molecular structure.

Its large molecule size prevents penetration into the skin, while the positive charge facilitates attachment to negatively charged germs.

## ■ Physical Action, Not Poisonous:

Benzalkonium chloride does not function as a poison that disrupts the metabolism of germs. Instead, it acts physically by dehydrating germs, making it an effective disinfectant without chemical interference.

## ■ Soap-Like Behavior:

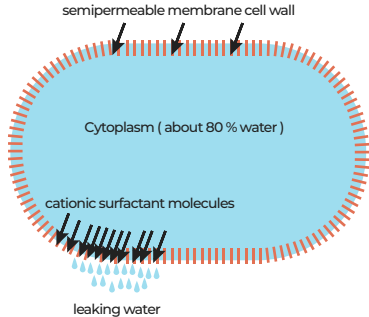
Due to its surfactant properties, benzalkonium chloride behaves similarly to soap by significantly lowering the surface tension of water, allowing it to infiltrate even thick films.

## ■ Dehydration Mechanism:

Enveloped germs regulate their cell water content via pores in the cell wall. Benzalkonium chloride, being water-soluble, enters the cell and reduces the surface tension of cell water, causing it to become more liquid. The increased liquidity of cell water leads to its outflow through the cell wall pores, resulting in dehydration of the cell.



### Effect of cationic surfactants on microbial cells

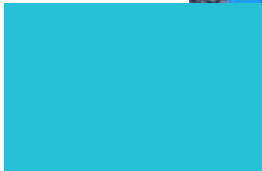


## How Logic Sept Animal work?

- Enveloped microbes or hard viruses have a semipermeable membrane as a shell that regulates the water balance. Normally, the water content of the cell fluid has a high surface tension at which the membrane is waterproof.
- The cationic surfactant molecule attached to the cell decreases the surface tension of the water in the membrane envelope and becomes membrane permeable. The cell runs out, dries out and loses its viability.
- The effect last for up to 3 hours or until the skin gets in contact with water. The cationic surfactants leaves a protected layer on the skin.

# Ethanol or other rubbing alcohol

- Ethanol hardens the protein in viruses which causes the molecules to fall apart.
- This effect is only for a few minutes and does not protect for a long amount of time.
- Ethanol also hardens other protective bacteria and oils on the skin, this causes the skin to dry out and get irritation when used regularly. The skin will be less protected.



- Our products have been tested and have numerous certificates.
- We believe in a safe and healthy way of engaging sanitizers in our life for ourselves but most importantly for our families.

Logic Sept Animal is safe to use for pets, farm

- animals, zoo animals and so on.

Organism	inactive after minutes		
	5	10	15
<i>E.coli</i>	+	+	-
<i>Salmonella typhi</i>	+	-	-
<i>Staphylococcus aureus</i>	+	+	-
<i>Cryptococcus histolytica</i>	+	+	-
<i>Trichophyton interdigitale</i>	-	-	-
<i>Candida albicans</i>	+	-	-
<i>Acremonium strictum</i>	-	-	-
<i>Aspergillus flavus</i>	+	-	-
<i>Aspergillus niger</i>	-	-	-
<i>Aspergillus versicolor</i>	-	-	-
<i>Aureobasidium pullans</i>	+	-	-
<i>Cladosporium sphaerospermum</i>	+	-	-
<i>Paecilomyces variotii</i>	+	-	-
<i>Penicillium chrysogenum</i>	-	-	-
<i>Trichoderma viride</i>	+	-	-

+ active, - inactive