

# One Step Wound & Infection Care

**Animal Wellness Products**



**Vetericyn<sup>®</sup> VF**

Veterinary Formula

# Works Naturally

Vetericyn® works naturally with the animal's own immune system. Vetericyn does not contain steroids, antibiotics or alcohols, making it safe for a wide range of animals with even the most sensitive systems.

## Great for:

- Acute and chronic wounds
- Burns
- Skin infections and irritations including dermatitis
- Fungal infections such as ringworm
- Post-surgical sites
- Skin ulcers, abscesses and hot spots
- Skin rashes and allergies
- Eye infections\*
- Ear infections\*\*

\*For superficial use with intact cornea

\*\*Not for inner ear infections

## In Solution Vetericyn kills the following:

Name of Organism	Time to Kill	Percent Reduction
MRSA - Staphylococcus aureus	30 seconds	99.9999%
VRE - Enterococcus faecalis	30 seconds	99.9999 %
Staphylococcus aureus	30 seconds	99.9999%
Pseudomonas aeruginosa	30 seconds	99.9998%
Escherichia coli	30 seconds	99.9997%
Moraxella bovis	30 seconds	99.9999%
Moraxella catarrhalis	30 seconds	99.9999%
Acinetobacter baumannii	30 seconds	99.9999%
Bacteroides fragilis	30 seconds	99.9999%
Candida albicans	30 seconds	99.9999%
Enterobacter aerogenes	30 seconds	99.9999%
Enterococcus faecium	30 seconds	99.9999%
Haemophilus influenzae	30 seconds	99.9993%
Klebsiella oxytoca	30 seconds	99.9999%
Klebsiella pneumoniae	30 seconds	99.9999%
Micrococcus luteus	30 seconds	99.9999%
Proteus mirabilis	30 seconds	99.9999%
Serratia marcescens	30 seconds	99.9999%
Staphylococcus epidermidis	30 seconds	99.9998%
Staphylococcus haemolyticus	30 seconds	99.9999%
Staphylococcus hominis	30 seconds	99.9996%
Staphylococcus saprophyticus	30 seconds	99.9999%
Streptococcus pyogenes	30 seconds	99.9999%

# Vetericyn Changes the Paradigm of How Topical Wounds and Infections are Cared For

Vetericyn is a non-toxic, broad-spectrum antimicrobial that, in solution, kills 99.999% of most single cell pathogens in 30 seconds, including antibiotic-resistant strains of bacteria as well as fungi, viruses and spores. The active ingredient in Vetericyn products is hypochlorous acid. Hypochlorous acid is generated in the body's activated neutrophils and contributes to the destruction of bacteria (1, 2, 3). This process is similar to the response given by the animal's immune system.

The pH of Vetericyn is manufactured in an appropriate physiological range so that it is non-toxic, does not harm healthy tissue, and it will not sting when applied.

**Does not harm healthy tissue.**

**100% non-toxic and non-irritating.**

**No antibiotics, steroids, alcohols, iodine, or tea tree oil.**

**Reduces or eliminates wound odors.**

**Safe for the environment and patient.**

**Safe as saline. Can be used on all animals.**

**No rinsing required after application to animal.**

**Up to 18 months shelf life.**

**Does NOT stain clothing or furniture after application to animal.**

**Easy to use which improves patient compliance.**

1. Harrison, J. E., and J. Schultz (1976). "Studies on the chlorinating activity of myeloperoxidase". *Journal of Biological Chemistry* 251<sub>5</sub>: 1371-1374.
2. Thomas, E. L. (1979). "Myeloperoxidase, hydrogen peroxide, chloride antimicrobial system: Nitrogen-chlorine derivatives of bacterial components in bactericidal action against *Escherichia coli*". *Infect. Immun.* 23<sub>2</sub>: 522-531.
3. Albrich, J. M., C. A. McCarthy, and J. K. Hurst (1981). "Biological reactivity of hypochlorous acid: Implications for microbicidal mechanisms of leukocyte myeloperoxidase". *Proc. Natl. Acad. Sci.* 78<sub>1</sub>: 210-214.

# Non-Toxic, Broad Spectrum Wound and Infection Care

## Vetericyn safely works with the animal's own immune system

Using a proprietary and non-cytotoxic formulation of oxychlorine compounds, Vetericyn can be used to moisten, clean and debride acute and chronic wounds without harming healthy tissue. Oxychlorine compounds occur naturally in animals in response to injury, and are produced by white blood cells such as neutrophils. One of the effective oxychlorine compounds produced by the immune system, hypochlorous acid, has been employed in the unique formulation of Vetericyn and is known to react through a variety of pathways with biomolecules. The main route of attack against microorganisms is the disruption of the cellular membrane.

## Aids in speeding the healing process

Vetericyn products assist in the mechanical removal of cellular debris, senescent cells, necrotic tissue, and foreign material from the skin and wound surface through debridement. Removal of these materials is known to decrease infection rates and improve wound healing. Wounds that are clean, well maintained, and moist have shown faster healing than wounds left on their own.

## Non-toxic, stable solution

The efficacy of super-oxidized water technology as an anti-infective has been known for several decades, but past formulations had a limited shelf life and have been cytotoxic. With the development of this improved technology, patients can now take the benefits of super-oxidized water home with them. Vetericyn products are manufactured with pH levels in an appropriate physiological range so they will not sting or harm healthy tissue. Through lavage, debriding and wound saturation, Vetericyn cleans away infectious agents so that the healing process may occur immediately. Wound odor is also noticeably reduced or eliminated.

## Safe & effective

Unlike other cytotoxic products, Vetericyn is safe enough to clean wounds and infections around the eyes, nose and mouth, without damaging healthy tissue. Vetericyn is not an antibiotic; there is no known way for bacteria, viruses or fungi to develop resistance to Vetericyn. The use of topical products like Vetericyn is beneficial to the entire

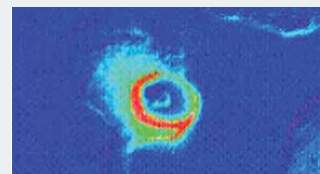
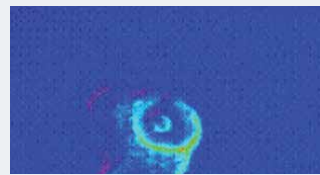
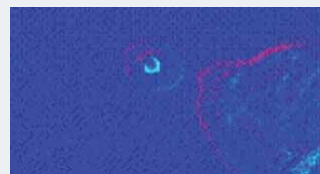
animal healthcare system because the continuous use of antibiotics may result in the development of antibiotic-resistant infections. "Drug resistant infections increase risk of death, and are often associated with prolonged hospital stays, and sometimes complications", according to an article published in the FDA Consumer Magazine, (Source: The Rise of Antibiotic-Resistant Infections, Ricki Lewis, Ph.D., FDA Consumer Magazine, September 1992).

## Environmentally friendly

Vetericyn will not harm the environment or the patient. No elaborate handling or safety measures are required for application or disposal. Safe as saline, it will not cause injury if it is licked or ingested. Vetericyn will not stain or require additional cleaning making it an ideal product to dispense for at-home use.

## Easy to use, no mixing, no dilution

Vetericyn is immediately ready for use, with no mixing or dilution required. There are no additional safety procedures to follow as the product will not cause skin, eye, respiratory tract or mucous membrane irritation. It is no-rinse meaning that there is no messy, sticky or toxic substance left behind in the wound to prevent healing.

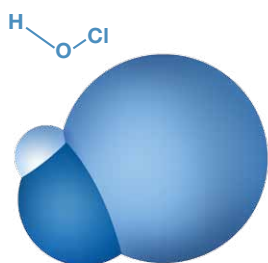


In these photos a neutrophil is engulfing a yeast cell. The area in red is the release of oxychlorine compounds used to destroy the yeast cell. This process is called the "oxidative burst." These molecules typically have a very short life span as they are created "on demand" to accomplish a specific task and do not harm healthy tissue in the process. Vetericyn contains similar stabilized oxychlorine compounds to those produced by the neutrophil.

# The Chemistry of Vetericyn

Vetericyn VF is currently available in four products: Vetericyn VF Liquid Spray and Vetericyn VF HydroGel Spray, Vetericyn VF Ophthalmic Wash, and Vetericyn VF Otic Rinse. The active ingredient in all of these products is hypochlorous acid. In some products, sodium hypochlorite is used in trace amounts as a preservative. The pH of Vetericyn is manufactured in the appropriate physiological range, unlike diluted bleach which has a pH > 11. At an appropriate physiological pH, diluted bleach is unstable and has limited efficacy as an antimicrobial. Laboratory tests show that in solution, Vetericyn is up to 70x more effective against bacteria than diluted bleach, yet is 100% non-toxic.

## Hypochlorous acid



### Vetericyn VF Liquid Contains:

Active: Hypochlorous Acid (HOCl): 0.011%  
Inactive: Electrolyzed Water (H<sub>2</sub>O): 99.816%  
Sodium Chloride (NaCl): 0.023%, Sodium Phosphate (NaH<sub>2</sub>PO<sub>4</sub>/Na<sub>2</sub>HPO<sub>4</sub>): 0.015%

### Vetericyn VF Ophthalmic Wash:

Active: Hypochlorous Acid (HOCl) (0.009%)  
Inactive: Electrolyzed Water (H<sub>2</sub>O) (99.837%), Sodium Phosphate (NaH<sub>2</sub>PO<sub>4</sub>/Na<sub>2</sub>HPO<sub>4</sub>) (0.13%), Sodium Chloride (NaCl) (0.024%)

### Vetericyn VF HydroGel Contains:

Active: Hypochlorous Acid (HOCl): 0.010%  
Inactive: Electrolyzed Water (H<sub>2</sub>O): 96.245%, Sodium Magnesium Fluorosilicate: 2.987%, Boric Acid (H<sub>3</sub>BO<sub>3</sub>): 0.462%, Sodium Sulfate (Na<sub>2</sub>SO<sub>4</sub>): 0.295%, Sodium Hypochlorite (NaOCl): 0.001%

### Vetericyn VF Otic Rinse:

Active: Hypochlorous Acid (HOCl): 0.011%  
Inactive: Electrolyzed Water (H<sub>2</sub>O): 99.816%  
Sodium Chloride (NaCl): 0.023%, Sodium Phosphate (NaH<sub>2</sub>PO<sub>4</sub>/Na<sub>2</sub>HPO<sub>4</sub>): 0.015%

## Application Regimen

Clean and debride the affected area as needed with Vetericyn. Allow Vetericyn to saturate the area for 30 seconds. The benefits of Vetericyn can last up to six hours. There are no known contraindications nor are there any known negative drug interactions.

### Note:

It is not recommended to use Vetericyn in conjunction with any other wound care ointments or solutions. It is safe to use in conjunction with systemic antibiotics. Wrapping is not necessary but the wound may be dressed in sterile gauze if desired. Apply Vetericyn to the wound and saturate the dressing before application. Vetericyn VF is designed for licensed veterinarians to dispense to patients for home use.

- Do not decant
- Not recommended to use with other topical wound care solutions
- Safe to use in conjunction with systemic antibiotics
- Safe to use with dressing if needed
- Designed for veterinarians to dispense to their clients

# Products

## Wound and Skin Care

### Liquid Spray

### HydroGel Spray



**Product:** VF Wound & Infection - Liquid 16 oz Trigger

**UPC#:** 852009002048

**Item Product#:** 2000

**Bottle Dimensions:**  
8.25" x 2.75"

**Case Dimensions (L x W x H):**  
8.5" x 5.75" x 9"

**Case Cubic Feet:** 0.25 ft<sup>3</sup>

**Cases per Full Pallet:** 155

**Gross Weight Pallet (lbs):** 1175

**Pallet Dimensions (L x W):** 48 x 40

**MSRP:** \$48



**Product:** VF Wound & Infection - Liquid 8 oz Pump

**UPC#:** 852009002031

**Item Product#:** 2001

**Bottle Dimensions:**  
6.5" x 2.25"

**Case Dimensions (L x W x H):**  
7" x 4.75" x 7"

**Case Cubic Feet:** 0.13 ft<sup>3</sup>

**Cases per Full Pallet:** 185

**Gross Weight Pallet (lbs):** 742

**Pallet Dimensions (L x W):** 48 x 40

**MSRP:** \$40



**Product:** VF Wound & Infection - Liquid 4 oz Pump

**UPC#:** 852009002314

**Item Product#:** 2003

**Bottle Dimensions:**  
5.5" x 1.75"

**Case Dimensions (L x W x H):**  
5.75" x 4.25" x 6.25"

**Case Cubic Feet:** 0.09 ft<sup>3</sup>

**Cases per Full Pallet:** 230

**Gross Weight Pallet (lbs):** 492

**Pallet Dimensions (L x W):** 48 x 40

**MSRP:** \$30



**Product:** VF HydroGel Spray 16 oz Trigger

**UPC#:** 852009002222

**Item Product#:** 2040

**Bottle Dimensions:**  
8.25" x 2.75"

**Case Dimensions (L x W x H):**  
8.5" x 5.75" x 9"

**Case Cubic Feet:** 0.25 ft<sup>3</sup>

**Cases per Full Pallet:** 155

**Gross Weight Pallet (lbs):** 1190

**Pallet Dimensions (L x W):** 48 x 40

**MSRP:** \$53



## Eye Care

## Ear Care



**Product:** VF HydroGel Spray  
8 oz Pump

**UPC#:** 852009002239

**Item Product#:** 2041

**Bottle Dimensions:** 6.5" x 2.25"

**Case Dimensions (L x W x H):**  
7" x 4.75" x 7"

**Case Cubic Feet:** 0.13 ft<sup>3</sup>

**Cases per Full Pallet:** 185

**Gross Weight Pallet (lbs):** 751

**Pallet Dimensions (L x W):** 48 x 40

**MSRP:** \$44



**Product:** VF HydroGel Spray  
4 oz Pump

**UPC#:** 852009002277

**Item Product#:** 2043

**Bottle Dimensions:** 5.5" x 1.75"

**Case Dimensions (L x W x H):**  
5.25" x 4.25" x 6.25"

**Case Cubic Feet:** 0.09 ft<sup>3</sup>

**Cases per Full Pallet:** 230

**Gross Weight Pallet (lbs):** 503

**Pallet Dimensions (L x W):** 48 x 40

**MSRP:** \$33



**Product:** VF Ophthalmic Wash  
2 oz

**UPC#:** 52009002734

**Item Product#:** 2075

**Bottle Dimensions:** 5.5" x 1.75"

**Case Dimensions (L x W x H):**  
4.0" x 4.0" x 5.75"

**Case Cubic Feet:** 0.05 ft<sup>3</sup>

**Cases per Full Pallet:** 230

**Gross Weight Pallet (lbs):** 503

**Pallet Dimensions (L x W):** 48 x 40

**MSRP:** \$27



**Product:** VF Otic Rinse  
4 oz

**UPC#:** 852009002758

**Item Product#:** 2023

**Bottle Dimensions:** 5.5" x 1.75"

**Case Dimensions (L x W x H):**  
5.25" x 4.25" x 6.25"

**Case Cubic Feet:** 0.09 ft<sup>3</sup>

**Cases per Full Pallet:** 230

**Gross Weight Pallet (lbs):** 503

**Pallet Dimensions (L x W):** 48 x 40

**MSRP:** \$30



*For superficial use with intact cornea*

*Not for inner ear infections*

# Testimonials

Horse With  
Dryland Distemper  
Outbreak  
(Pigeon Fever)\*

BEFORE



AFTER 30 DAYS



\*Vetericyn cares for the secondary infections caused by Dryland Distemper. In this case, Vetericyn was used in conjunction with one round of antibiotics.

Dog with  
Eye Laceration

BEFORE



AFTER 3 WEEKS



Cat with Feline  
Hot Spot

BEFORE



AFTER 7 DAYS



Calf with Eye  
Infection

BEFORE



AFTER 24 HOURS



Information displayed is provided by our customers. Vetericyn is a great addition to any wound care regimen. Always consult with a veterinarian for systemic conditions.



Manufactured and Bottled by Innovacyn, Inc.  
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Tell Us  
Your Story!