



ZYMOX DERMATOLOGY

Relief for Allergic Complications Including Itchy Allergy Skin, Hot Spots and Troublesome Wounds and Infections.

ZYMOX dermatology products for skin provide relief by employing the potent, patented LP3 Enzyme System. They provide broad spectrum, natural anti-inflammatory antibiotic alternatives to manage the complications of allergies and effectively destroy bacterial and fungal microorganisms that cause infections.



ZYMOX Shampoo

Skin Care for Inflamed or Infected Skin: Anti-itch, Antibacterial, Antifungal, Anti-yeast

The first line of defense against infectious microbes is the skin. ZYMOX Shampoo provides an effective way to protect this natural barrier. Formulated with the patented LP3 Enzyme System plus skin hydrating vitamin D3 to gently cleanse, soothe and relieve irritated, inflamed, or infected skin. Contains no harsh detergents, chlorines, or petroleum by-products. Gentle and effective for all pets of any age. Features a pleasant, non-medicated fragrance.

DIRECTIONS FOR USE

- Wet animal thoroughly
- Apply ZYMOX Shampoo directly
- Wash entire animal, concentrating on problem areas
- Leave on 3 to 5 minutes
- Rinse thoroughly
- For best results, follow with ZYMOX Leave-On Conditioner



ZYMOX Leave-On Conditioner

Skin Care for Inflamed or Infected Skin: Anti-itch, Antibacterial, Antifungal, Anti-yeast

For skin-soothing and residual effectiveness of the patented LP3 Enzyme System and vitamin D3, use ZYMOX Leave-On Conditioner after cleansing with ZYMOX Shampoo. The Leave-On Conditioner supports optimal skin health and provides a powerful, protective barrier against minor skin inflammation and surface irritations due to allergies, or bacterial or fungal microbes. May also be applied between baths for therapeutic benefits. Does not contain silicone or parabens. Non-greasy.

DIRECTIONS FOR USE

- (Recommended for use after ZYMOX Shampoo)
- Apply directly to wet fur
- Massage in thoroughly
- Lightly rinse or leave on to dry
- For problem areas, ZYMOX Leave-On Conditioner can be applied full-strength and left on to dry



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www.pennvet.com

ZYMOX Topical Cream and Spray

Skin Care for Wounds and Troublesome Infections

Highly effective in the management of wounds, cuts, and skin infections due to bacteria, fungus or yeast, without the use of antibiotics. No disinfection is needed of the site prior to application. Pre-cleaning and cleaning during use disrupts the biological system and can negatively affect results.



ZYMOX Topical Cream

With and without 1% Hydrocortisone

DIRECTIONS FOR USE

- Apply a thin coat to affected area
- Apply 1-2 times daily for up to 2 weeks (Hydrocortisone-Free Formula)
- Apply 1-2 times daily for 7 days (1% Hydrocortisone)
- May be lightly covered with a sterile bandage
- Ideal for application around face, paws, and body folds



ZYMOX Topical Spray

With and without 1% Hydrocortisone

DIRECTIONS FOR USE

- Shake bottle before use
- Hold bottle 4-6" away from affected area
- Apply until thoroughly covered
- Apply 1-2 times daily for up to 2 weeks (Hydrocortisone-Free Formula)
- Apply 1-2 times daily for 7 days (1% Hydrocortisone)
- May be lightly covered with a sterile bandage
- Ideal for application to large areas

Available with 1% hydrocortisone for relief of itching from minor inflammation or without hydrocortisone for those animals sensitive to corticosteroids such as pregnant or lactating females, rabbits, and exotics.

RECOMMENDED FOR USE ON:

- ▶ Atopic dermatitis
- ▶ Acute moist pyoderma/hot spots
- ▶ Wet eczema
- ▶ Body fold pyoderma
- ▶ Impetigo/superficial and generalized pyoderma
- ▶ Staphylococcus ssp.
- ▶ Methicillin-resistant Staphylococcus aureus (MRSA)
- ▶ Pseudomonas ssp.
- ▶ Candida albicans
- ▶ Malassezia



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Manufactured in an USA FDA Approved GMP Facility



Effectiveness of Enzymes vs Antibiotics

The patented LP3 Enzyme System is proven to be effective on a broad range of bacteria, fungus, and yeast and provides benefits to the pet parent in terms of effectiveness and ease-of-use. There are many benefits to the pet as well which are starkly contrasted by the downfalls of antibiotic use.



DERMATOLOGY PRODUCTS





ZYMOX EAR CARE

Improve Patient Outcome and Increase Client Compliance with No Pre-cleaning of the Ear and Once-a-day Application

For over 20 years, the ZYMOX family of ear care products has been offering highly effective products to ensure optimal ear health. At the center of all ZYMOX products is the patented LP3 Enzyme System, the most complete, complex enzyme-based formulation available. This advanced technology doesn't rely on antibiotics which means no threat of antibiotic resistance or side effects common to antibiotics. With the NO Pre-clean protocol, ZYMOX ear care products are good compliments to creating a fear-free experience for the pet.



ZYMOX Otic Enzymatic Solution with Hydrocortisone 1%

Ear Care for Chronic and Acute Otitis Externa

Aids in removing ear exudate and maintaining ear health. Highly effective in the management of acute and chronic otitis due to bacterial, fungal or yeast infections, without antibiotics. The powerful enzymatic action of the patented LP3 Enzyme System naturally cleans and disinfects while destroying even the most resistant microbes. For use on any age dog or cat. With 1% hydrocortisone for itch relief due to minor inflammation.

✓ **REQUIRED ZYMOX OTIC PROTOCOL**

- Apply liberally to fill uncleaned ear
- Do not pre-clean** ear or enzymatic activity is disrupted
- Gently massage the base of the ear
- Wipe to remove excess
- Allow pet to shake head
- Apply once, daily for 7 days
- If needed, flush ear after course of use with ZYMOX Ear Cleanser

✗ **CONTRAINDICATIONS**

- Do not use with any ear topicals while using ZYMOX Otic
- Do not use on a ruptured ear drum
- Not for use on pregnant or lactating females



ZYMOX Otic Enzymatic Solution

Ear Care for Chronic and Acute Otitis Externa

Aids in the removal of ear exudate and maintaining ear health. Highly effective in the management of acute and chronic otitis due to bacterial, fungal or yeast infections without antibiotics. The powerful enzymatic action of the patented LP3 Enzyme System naturally cleans and disinfects while destroying even the most resistant microbes. For use on any age dog, cat, exotic, including those that are pregnant or lactating. Safe for extended use to maintain healthy ears.

✓ **REQUIRED ZYMOX OTIC PROTOCOL**

- Apply liberally to fill uncleaned ear
- Do not pre-clean** ear or enzymatic activity is disrupted
- Gently massage the base of the ear
- Wipe to remove excess
- Allow pet to shake head
- Apply once, daily for 7 days, 14 days for a chronic infection
- If needed, flush ear after course of use with ZYMOX Ear Cleanser

✗ **CONTRAINDICATIONS**

- Do not use with any ear topicals while using ZYMOX Otic
- Do not use on a ruptured ear drum

Advanced Formula ZYMOX PLUS Otic Enzymatic Formulation

Ear care for resistant otitis externa. Ideal for cases of repeated infection or the infection that won't resolve.

Engineered to aid in the management of the toughest chronic otitis externa cases due to resistant organisms, such as those that form complex biofilms such as Pseudomonas and Methicillin-resistant Staphylococcus aureus. Features increased potency of the patented LP3 Enzyme System PLUS four additional biofilm-reducing enzymes formulated to destroy the hard-to-penetrate biofilm. When combined the results are antibacterial and antifungal and provide effective biofilm removal.



Advanced Formula ZYMOX Otic PLUS 1% Hydrocortisone

For use when additional itch relief is needed due to minor inflammation
Use on any age dog or cat



Advanced Formula ZYMOX PLUS Otic

For use when no additional inflammation relief is needed
Use on any age dog, cat, rabbit, exotics
Use on pregnant or lactating females

✓ **REQUIRED ZYMOX OTIC PROTOCOL**

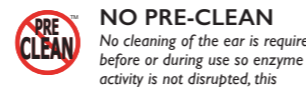
- Apply liberally to fill uncleaned ear
- Do not pre-clean** ear or enzymatic activity is disrupted
- Gently massage the base of the ear
- Wipe to remove excess
- Allow pet to shake head
- Apply once, daily for 7 days
- If needed, flush ear after course of use with ZYMOX Ear Cleanser

✗ **CONTRAINDICATIONS**

- Do not use with any ear topicals while using Advanced Formula ZYMOX Plus Otic Enzymatic Solutions
- Do not use on a ruptured ear drum
- Do not use Advanced Formula ZYMOX Plus Otic with Hydrocortisone 1% on animals sensitive to corticosteroids



WORKS WITHOUT ANTIBIOTICS
No concern about antibiotic resistance



NO PRE-CLEAN
No cleaning of the ear is required before or during use so enzyme activity is not disrupted, this reduces touching painful ears.



ZYMOX Ear Cleanser

Ear Cleanser for Dirty, Smelly Ears

ZYMOX Ear Cleanser provides an effective, non-toxic way to manage dirty ears and maintain healthy ears. Features gentle cleaning surfactants plus the addition of the patented LP3 Enzyme System for mild microbe control. Does not contain harsh chemicals or detergents that can irritate ears. Leaves ears smelling fresh. *May be used to flush ear after completed course of ZYMOX Otic.*

✓ **DIRECTIONS FOR USE**

- Shake bottle
- Apply liberally to fill ear
- Gently massage the base of the ear
- Use cotton ball or soft cloth to gently wipe what comes to the surface
- Use once or twice a week or as directed by a veterinarian



LP3 ENZYME SYSTEM RESEARCH

PROVEN EFFECTIVENESS

The LP3 Enzyme System is based on 40+ years of advanced enzyme technology and has been helping pets find relief for over 20 years. All ZYMOX® and Oratene® products are cruelty-free and never tested on animals. In vitro studies have confirmed the products' effectiveness to eradicate bacteria, fungus, and yeast – without antibiotics or harsh chemicals. While practitioners can't avoid using antibiotics in all cases, ZYMOX provides proven alternatives that should be offered as an effective alternative to antibiotics.

TESTED EFFECTIVE AGAINST A BROAD SPECTRUM OF MICROBES

The Microbes

- | | |
|---------------------------|--|
| Staphylococcus aureus | Pseudomonas aeruginosa |
| Escherichia coli | Corynebacterium diphtheriae |
| Streptococcus pyogenes | Malassezia pachydermatis |
| Proteus mirabilis | Methicillin-resistant Staphylococcus aureus (MRSA) |
| Streptococcus intermedius | |
| Candida albicans | |

FIRST DO NO HARM

PETS GET ALLERGIES TOO

Making the allergy connection: Humans sneeze. Pets get itchy or infected skin or ears.

The most common reaction to allergens in humans primarily occurs in the respiratory tract. Many pets with allergy symptoms have dermatology issues and scratch and gnaw at the skin. Pets weakened by allergies become susceptible to ear infections, itchy skin (dermatitis), hot spots, yeast overgrowth and general bacterial/fungal infections. There is no cure for allergies but the symptoms can be managed.

Common Allergic Triggers Are



Food Sensitivities



Environment: contact and inhaled



Fleas

ZYMOX DERMATOLOGY and ZYMOX FOR EARS

Relief from Allergies and Infection for Pets



SKIN

PRESENTATION: Bumps or white pustules, redness and inflammation.
ACTION: Licking or chewing affected areas. Rolling on the floor. Scratching.
PRODUCT: ZYMOX Cream, Spray, Shampoo and Leave-On Conditioner

PAWS

PRESENTATION: Irritated and red between toes. Discolored from licking. Odor.
ACTION: Chewing or constant licking of feet.
PRODUCT: ZYMOX Cream, Spray, Shampoo and Leave-On Conditioner

FACE

PRESENTATION: Areas around eyes, muzzle and chin are red and inflamed. Weepy eyes. Hair loss.
ACTION: Scratching at face with paws or rubbing against objects.
PRODUCT: ZYMOX Cream, Shampoo and Leave-On Conditioner

EARS

PRESENTATION: Unusual odor; waxy residue, redness, thinning of hair.
ACTION: Shaking of head. Scratching of ears with paws or rubbing head against objects.
PRODUCT: ZYMOX Otic, Ear Cleanser

COAT

PRESENTATION: Irritation, redness and inflammation. Bald or discolored patches. Bumps or white pustules.
ACTION: Scratching at face with paws or rubbing against objects.
PRODUCT: ZYMOX Cream, Spray, Shampoo and Leave-On Conditioner

¹ The International Journal of Applied Research in Veterinary Medicine, Vols. 7 & 8, Nos. 4 & 1, 2009. ² The Journal of Applied Research in Veterinary Medicine, Vol. 1, No. 3, 2003