Why Dechra Dermatology?

Veterinarians’ premier choice in Dermatology, Dechra Veterinary Products offers branded solutions for your dermatology needs.

✓ TRUSTED INGREDIENTS
Dechra’s topical dermatology portfolio is anchored by key ingredients you trust, such as Chlorhexidine, Miconazole and Ketoconazole.

✓ CUTTING EDGE TECHNOLOGY
Many of our formulations are enhanced with key ingredients like USP TrizEDTA®, Ceramides and Acetic and Boric Acid.

✓ MULTI-MODAL THERAPIES
With multiple options for topical and systemic therapy, you can prescribe products that work together and increase client compliance, such as wipes and sprays for in between baths, or when clients cannot bathe their pets.

✓ FDA APPROVED CHOICES
Proven topical and oral options to prescribe with confidence.

For more information on Dechra Veterinary Products’ wide range of otic and topical therapies, visit www.dechra-us.com.

To order or schedule a lunch and learn, call your Dechra representative or call (866) 683-0660.
Dechra Technologies

Dechra’s topical therapy products offer multiple technologies and active ingredients to offer multi-modal therapies for atopic dermatitis and pyoderma.

Ceramides

- Ceramides play an essential role in the structure and maintenance of the barrier function of the skin. Proper barrier function is necessary to prevent water loss and the entrance of allergens.
- Findings suggest that decreased amounts of ceramides in the skin of dogs with atopic dermatitis may be involved in the impaired barrier function of their skin.
- Formulations containing lipids identical to those in skin and, in particular, some ceramide supplementation may improve skin conditions caused by impaired barrier function.

The ceramide complex in Dechra’s products is part of a comprehensive skin lipid complex that includes Ceramides 1, 3, and 6 II. It also includes phytosphingosine and cholesterol.

Ceramides rebuild the epidermal skin barrier, helping to retain moisture in the skin and prevent allergen absorption.

TrizEDTA® Technology

- Patented TrizEDTA® (Tromethamine, USP; Disodium EDTA, USP) composition, U.S. Patent 6,538,155
- Effective against Gram-negative bacteria
- Chelates minerals in bacterial cell walls thereby increasing their susceptibility to active ingredients in topical products
- Alkalinizing
- Antibiofilm agent
- Non-ototoxic
- For topical use in dogs, cats, and horses

Chlorhexidine Gluconate

- Generally used as adjunctive therapy for bacterial skin infections caused by Gram-positive and Gram-negative bacteria
- Considered to have residual effects and can remain active on skin after rinsing
- Bacteria do not tend to develop resistance towards chlorhexidine gluconate
- Antifungal properties in concentrations greater than 3%

Miconazole

- A synthetic antifungal used as adjunctive therapy to assist with yeast/fungal skin infections
- Activity against some Gram-positive bacteria, including methicillin-sensitive and -resistant Staphylococci

Ketoconazole

- A synthetic antifungal used as adjunctive therapy to assist with yeast/fungal skin infections
- Activity against some Gram-positive bacteria, including methicillin-sensitive and -resistant Staphylococci

Acetic & Boric Acid Formulation

- Cleansing, drying, acidifying, whitening
- Degreasing, deodorizing
- Balances skin surface pH making it unfavorable for the overgrowth of yeast/fungi
- Ceruminolytic, keratolytic, keratoplastic, and astringent actions

Hydrocortisone

- Provides anti-pruritic and anti-inflammatory properties

3 Finnegan, S, Percival, SL. EDTA: An Antimicrobial and Antibiofilm Agent for Use in Wound Care. Advances in Wound Care 2015: Jul 1 4(7); 415-421.
5 Susceptibility of Selected Otis Externa Pathogens to Individual and Mixtures of Acetic and Boric Acids. Swarbrick CD - 4th Proceedings of AIM2016/20 meeting, 1308. Department of Pathobiology, School of Veterinary Medicine, University of Pennsylvania.
Dechra has a solution to address all your topical therapy needs.

Dechra’s topical dermatology portfolio is anchored by key ingredients you trust such as Chlorhexidine, Miconazole and Ketoconazole. Some of our formulations are also enhanced with other key ingredients like USP TrizEDTA, ceramide complex, and acetic and boric acid. TrizEDTA chelates minerals in bacterial cell walls, thereby increasing their susceptibility to active ingredients in Dechra’s topical products. 1 TrizEDTA is also an antibiofilm agent. 2 Dogs with atopy are known to be deficient in ceramides. 3 Dechra’s ceramide complex contains ceramides 1, 3, and 6 II, cholesterol and chelates minerals in bacterial cell walls, thereby increasing their susceptibility to active ingredients in Dechra’s topical products. Another enhancement, the ceramide complex, aids in moisturizing, repairing and restoring damaged skin. We have a portfolio of solutions for ear conditions in pets.

Many of our popular formulations are enhanced with TrizEDTA, which chelates minerals in bacterial cell walls thereby increasing their susceptibility to active ingredients in topical products. 1 TrizEDTA is also an antibiofilm agent. 2 Another enhancement, the ceramide complex, aids in moisturizing, repairing and restoring damaged skin. We have a portfolio of products listed below that address many common ear conditions.

### Skin Condition and Dechra Topical Solution

<table>
<thead>
<tr>
<th>Dechra Topical</th>
<th>Yeast</th>
<th>Bacteria</th>
<th>Inflammation/Pruritus</th>
<th>Biofilm</th>
<th>Barrier Repair</th>
<th>Greasy, Waxy</th>
<th>Follicular Condition</th>
<th>Seborrhea</th>
</tr>
</thead>
<tbody>
<tr>
<td>MICONAHEX+TRIZ®</td>
<td>3% Miconazole</td>
<td>3% Chlorhexidine, 2% Acetic Acid, USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>Ceramide Complex</td>
<td>USP TrizEDTA™</td>
<td>Non-acidic</td>
<td>Non-stinging</td>
<td></td>
</tr>
<tr>
<td>MAL-A-KET® Shampoo &amp; Wipes</td>
<td>1% Ketoconazole, 2% Acetic Acid</td>
<td>2% Chlorhexidine, 2% Acetic Acid</td>
<td>USP TrizEDTA™</td>
<td>1% Hydrocortisone</td>
<td>USP TrizEDTA™</td>
<td>Acetic Acid</td>
<td>Acetic Acid</td>
<td></td>
</tr>
<tr>
<td>MAL-A-KET® Plus TrizEDTA® Spray Conditioner</td>
<td>1% Ketoconazole</td>
<td>3% Chlorhexidine, USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>Ceramide Complex</td>
<td>USP TrizEDTA™</td>
<td>Acetic Acid</td>
<td>Acetic Acid</td>
<td></td>
</tr>
<tr>
<td>MALACETIC® Shampoo, Spray &amp; Wipes</td>
<td>2% Acetic Acid, 2% Boric Acid</td>
<td>2% Acetic Acid, 2% Boric Acid</td>
<td>USP TrizEDTA™</td>
<td>Ceramide Complex</td>
<td>USP TrizEDTA™</td>
<td>Acetic Acid</td>
<td>Acetic Acid</td>
<td></td>
</tr>
<tr>
<td>MALACETIC® ULTRA® Shampoo &amp; Spray</td>
<td>0.5% Ketoconazole, 1% Acetic Acid</td>
<td>1% Hydrocortisone</td>
<td>USP TrizEDTA™</td>
<td>Ceramide Complex</td>
<td>USP TrizEDTA™</td>
<td>Acetic Acid</td>
<td>Acetic Acid</td>
<td></td>
</tr>
<tr>
<td>MALACETIC® HC Wipes</td>
<td>1% Acetic Acid, 1% Boric Acid</td>
<td>1% Hydrocortisone</td>
<td>USP TrizEDTA™</td>
<td>Ceramide Complex</td>
<td>USP TrizEDTA™</td>
<td>Acetic Acid</td>
<td>Acetic Acid</td>
<td></td>
</tr>
<tr>
<td>TrizULTRA+KETO® Shampoo, Spray, Wipes &amp; Mousse</td>
<td>4% Chlorhexidine</td>
<td>1% Sulfur</td>
<td>USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>Non-acidic</td>
<td>Non-stinging</td>
<td></td>
</tr>
<tr>
<td>TRIZCHLOR® AC Shampoo &amp; Spray</td>
<td>4% Chlorhexidine, USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>Non-acidic</td>
<td>Non-stinging</td>
<td></td>
</tr>
<tr>
<td>DERMAEZ® Shampoo</td>
<td>2.5% Benzoyl Peroxide, 1% Salicylic Acid</td>
<td>2.5% Benzoyl Peroxide, 1% Salicylic Acid</td>
<td>USP TrizEDTA™</td>
<td>Ceramide Complex</td>
<td>USP TrizEDTA™</td>
<td>Non-acidic</td>
<td>Non-stinging</td>
<td></td>
</tr>
</tbody>
</table>

### Ear Condition and Dechra Otic Product

<table>
<thead>
<tr>
<th>Dechra Otic or Flush</th>
<th>Yeast</th>
<th>Bacteria</th>
<th>Biofilm</th>
<th>Inflammation</th>
<th>Pruritus</th>
<th>Greasy, Waxy</th>
<th>Moist</th>
</tr>
</thead>
<tbody>
<tr>
<td>TrizULTRA+KETO® Flush</td>
<td>Ketoconazole</td>
<td>USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>Non-acidic</td>
<td>Non-stinging</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MALACETIC® Otic Cleanser</td>
<td>Ketoconazole, Acetic Acid</td>
<td>USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>Non-acidic</td>
<td>Non-stinging</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MALACETIC® Otic Cleanser</td>
<td>Acetic Acid, Boric Acid</td>
<td>USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>Non-acidic</td>
<td>Non-stinging</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MALACETIC® KETO® AL Flush</td>
<td>Chlorhexidine, TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>Non-acidic</td>
<td>Non-stinging</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TrizEDTA® Aqueous Flush</td>
<td>USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>Non-acidic</td>
<td>Non-stinging</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TrizCHLOR® Flush</td>
<td>Chlorhexidine, USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>Non-acidic</td>
<td>Non-stinging</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EPIKLEAN® Ear Cleanser</td>
<td>USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>Non-acidic</td>
<td>Non-stinging</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KLEAROTIC® Ear Cleanser</td>
<td>USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>USP TrizEDTA™</td>
<td>Non-acidic</td>
<td>Non-stinging</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4 Finnegan, S, Percival, SL. EDTA: An Antimicrobial and Antibiofilm Agent for Use in Wound Care. *Advances in Wound Care* 2015: Jul 1 4(7); 415-421.
Itching Isn’t Everything

New therapeutic advancements help control your patient’s pruritus, but the underlying disease and risk of pyodermas still exist. Dechra’s topical therapy products should be a central part of addressing atopic dermatitis and pyoderma. Daily topical therapy helps relieve allergens, support the management of infection and pruritus, and repair the skin barrier for both acutely and chronically affected patients. Dechra makes it easy to implement a multimodal management protocol.

Multi-Modal Management: Benefits & Frequency

* Shampoo frequency depends on severity and chronicity of infection; Acute and Severe: every other day Acute and Mild: once or twice weekly Chronic: weekly to every other week
** Daily mousse, spray and wipe therapy achieves the best results.
WHY DECHRA DERMATOLOGY?

✓ DEDICATED SALES TEAM
focused on technically training clinic staff
on dermatology issues and products

✓ DEDICATED TECHNICAL SERVICE
veterinarians and technicians to support
case management and pharmacovigilance

✓ ORDER BY THE BOTTLE,
not the case

✓ EASY RETURNS/SATISFACTION
GUARANTEE

✓ INVESTMENT INTO EDUCATION
CE dinner meetings, Lunch & Learns,
Dechra Academy, VetFolio, Conferences

✓ INNOVATION
to bring new clinically necessary
products and solutions to the industry

✓ PREMIUM, HIGH-QUALITY FORMULATIONS
to support clinic and patient needs

✓ COMPLIMENTARY CLIENT EDUCATION
tools such as brochures and videos

Dechra 24-Hour Veterinary Technical Support
(866) 933-2472 | support@dechra.com
www.dechra-us.com

Dechra is a registered trademark of Dechra Pharmaceuticals PLC. All other registered trademarks in this document are owned by Dechra Veterinary Products LLC.