What Do I Do With This Shampoo??

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Topical Plus Systemic


Twenty dogs with widespread superficial staphylococcal infection
Ten with cephalaxin: cure in 38 days
Ten with cephalaxin and ethyl lactate
(twice weekly): cure in 29 days

Owners prefer treatment #2 - coat quality and decreased odor

Leading Shampoo Manufacturers

- Bayer (DVM)
- Dechra
- Sogeval
- Vetoquinol
- Virbac
The Stratum Corneum

Healthy dog  Atopic dog

Courtesy: Virbac

Reasons to Bathe

• Grooming
• Control of pruritus
• Control of seborrheic conditions
• Control of infectious conditions

Keratomodulatory Therapy Considerations

• Etiology
• Nature of skin abnormalities
  • Dry
  • Waxy
  • Oily
• Secondary infections

Topical Keratomodulatory Agents

Sulfur  Benzoyl peroxide
Salicylic acid  Urea/lactic acid
Tar  Colloidal oatmeal
Selenium sulfide  Propylene glycol

Bayer DVM Antiseborrheic Products

Dechra Antiseborrheic Products

Hydrolyzed oat protein
Safflower oil
Ceramide complex
Sogeval Antiseborheic Products

Phytosphingosine HCL
Soothex®
Fomblin
Green Tea fragrance

Vetoquinol Antiseborrheic Products

Novasome® encapsulated moisturizers

Virbac Antiseborrheic Products

Sodium Salicylate (as Salicylic Acid) 1.0%
Zinc Gluconate 0.5%
Pyridoxine HCl 0.5%

Benzoyl Peroxide

Keratolytic (benzoic acid)
Keratoplastic (cytostatic)
Antibacterial (benzoyl peroxide radicals)
Degreasing
Comedolytic (“follicular flush”)
Antipruritic (local anesthesia)
Astringent
Enhance wound healing (increased oxygen tension)
Side effects
Irritation
Drying
Bleaching

Selenium Sulfide

Keratolytic (hydrogen bonds)
Keratoplastic (cytostatic)
Potent degreaser
Antiyeast (≥1%)
Antiparasitic (≥1%)
Side effects
Irritation
Drying
Staining

Mixed Modality Products

• Antibacterial
• Antifungal
• Antiseborrheic
Dechra Mixed Modality Products

Chlorhexidine gluconate: 4%
USP tris-EDTA
± Hydrocortisone: 1%

Dechra Mixed Modality Products

Miconazole: 2%
Chlorhexidine: 2%
USP tris-EDTA
Ceramide complex

Dechra Mixed Modality Products

Acetic acid: 2%
Boric acid: 2%

Dechra Mixed Modality Products

Ketoconazole: 1%
Chlorhexidine: 2%
Acetic acid: 2%

Dechra Mixed Modality Products

Acetic acid: 1%
Boric acid: 2%
Hydrocortisone: 1%
Ketoconazole: 0.15%
Ceramide complex

Microvesicle Technology

- Novasomes (Vetoquinol)
- Spherulites (Virbac)
- Time-release moisturization
- Time-release of active ingredient
Microvesicle Technology

Virbac Mixed Modality Products

Chlorhexidine Gluconate: 2%
Ketoconazole: 1%

Vetoquinol Mixed Modality Products

Sebozole Shampoo
Miconazole Nitrate 2%
Chloroxylenol 1%
Purified Water
Sodium Olefin Sulfonate
Polyethylene Glycol
150 Pentaeerythritol Tetrastearate
Lauramide DEA
Propylene Glycol
Sodium Thiosulfate
Salicylic Acid
Carbopol
Sodium Hydroxide

Universal Medicated Shampoo
Chloroxylenol 2%
Salicylic Acid 2%
Sodium Thiosulfate 2% (source of soluble sulfur)
USP Purified Water
Sodium Olefin Sulfonate
Propylene Glycol
Cocamidopropyl Betaine
Polyquaternium-10
Sodium Hydroxide

Vetoquinol Mixed Modality Products

MPA Seba-Hex™ Shampoo
Chlorhexidine Gluconate 2%
Salicylic Acid 2%
Sulfur 2%
USP Purified Water
Sodium Olefin Sulfonate
NM7
Cocamidopropyl Betaine
Glycol Stearate
Hydrolyzed Keratin
Glycol Distearate
Cetyl Alcohol
Sodium Hydroxide

New Generation Anti-infectives

- Developed in response to developing resistance of bacterial and fungal organisms
- Long term safety and efficacy data not available
Zymox System

Lactoferrin, lactoperoxidase, lysozyme ± Vit D3
Active against methicillin-resistant *Staph pseudintermedius* & *schleiferi*, *Pseudomonas*, & *Malassezia*

Accelerated Hydrogen Peroxides

MicroSilver BG™

Broad spectrum antimicrobial efficacy
Nonabsorbable and remains on the surface for numerous hours

Paleodermatologic Agents

• Oxychlorines: Sodium hypochlorite and hypochlorous acid (Clorox® bleach (5.25 or 8.6%); Vetericyn®) – 0.5%
  • Lime sulfur: 2%
  • Acetic acid: 2.5-5%

Lime Sulfur

Keratolytic (H₂S)
Keratoplastic (cytostatic)
Antibacterial (pentathionic acid + H₂S)
Antifungal (pentathionic acid + H₂S)
Antiparasitic (polythionic acid + H₂S)
Antipruritic
Astringent
Degreasing
Odor, stain, tarnish, drying, irritation

97.8% sulfated lime solution