

In vitro efficacy of polyhexanide against bacterial isolates from conjunctival and corneal swabs of healthy and affected eyes of French Bulldogs

Maria Finneisen et al., ECVO 2026

References

- 1 Bedos, L.; Allbaugh, R. A.; Roy, M.; Kubai, M. A.; Sebbag, L. (2023): Precorneal retention time of ocular lubricants measured with fluorophotometry in healthy dogs. In: *Veterinary ophthalmology* 26 Suppl 1, S. 81–88. DOI: 10.1111/vop.13065.
- 2 D'Oria, Francesco; Petruzzella, Giovanni; D'Ambrosio, Enzo; Pignatelli, Francesco; Addabbo, Giuseppe; Alessio, Giovanni (2025): From Bench to Application: Evaluating the In Vitro and In Vivo Efficacy of a Polyhexamethylene Biguanide and Cross-Linked Hyaluronic Acid-Based Antiseptic Solution. In: *Journal of clinical medicine* 14 (8). DOI: 10.3390/jcm14082745.
- 3 Foja, Sabine; Heinzelmann, Joana; Viestenz, Anja; Rueger, Christiane; Hecht, Sabine; Viestenz, Arne (2024): Evaluation of the Possible Influence of Povidone Iodine (PVI) Solution and Polyhexanide (PHMB) on Wound Healing in Corneal Epithelial Regeneration. In: *Journal of clinical medicine* 13 (2). DOI: 10.3390/jcm13020588.
- 4 Hübner, N-O; Kramer, A. (2010): Review on the efficacy, safety and clinical applications of polyhexanide, a modern wound antiseptic. In: *Skin pharmacology and physiology* 23 Suppl, S. 17–27. DOI: 10.1159/000318264.
- 5 Leiva, Marta; Vilao Cardoso, Rita; Gaztelu, Laura; Peña, Teresa (2026): Beyond Antibiotics: The Expanding Role of Non-Antibiotic Therapies in Veterinary Ophthalmology. In: *Veterinary Sciences* 13 (5), S. 461. DOI: 10.3390/vetsci13050461.
- 6 Roth, B; Müller J; Willenegger, H: Intraoperative wound irrigation with a new local antiseptic. In: *Helv Chir Acta*. 1985;52(1):61–65.
- 7 Sebbag, Lionel; Broadbent, Victoria L.; Kenne, Danielle E.; Perrin, Ashtyn L.; Mochel, Jonathan P. (2021): Albumin in Tears Modulates Bacterial Susceptibility to Topical Antibiotics in Ophthalmology. In: *Frontiers in medicine* 8, S. 663212. DOI: 10.3389/fmed.2021.663212.
- 8 Singh, Mamta; Husain, Noor; Dutta, Siddhartha; Sinha, Bibhuti P.; Mohan, Lalit; Dikshit, Harihar; Sharma, Bhavana (2026): Efficacy and safety of polyhexamethylene biguanide for *Acanthamoeba* keratitis: Systematic review and proportional meta-analysis. In: *European journal of ophthalmology* 36 (2), S. 421–433. DOI: 10.1177/11206721251407855.

- 9 Stolle, Leonie Maria; Oltmanns, Hilke; Meißner, Jessica; Heun, Frederik; Schieder, Ann-Kathrin; Wolff, Hinrich Tönjes et al. (2026): Polyhexanide, Povidone-Iodine, and Hypochlorous Acid Show High In Vitro Antimicrobial Efficacy Against Pathogens Commonly Associated With Equine Infectious Keratitis. In: *Veterinary ophthalmology* 29 (1), e70141. DOI: 10.1111/vop.70141.
- 10 Wolff, Hinrich Tönjes; Piroth, Ana Cristina; Oltmanns, Hilke; Meißner, Jessica; Verspohl, Jutta; Volk, Holger Andreas; Busse, Claudia (2025): Commercially available antiseptics show high in vitro efficacy against pathogens most commonly associated with canine and feline infectious keratitis. In: *Frontiers in veterinary science* 12, S. 1552230. DOI: 10.3389/fvets.2025.1552230.