

U.S. Veterinary Anti-infectives Market Size, Share & Trends Analysis Report By Animal (Livestock Animal, Companion Animal), By Product (Antimicrobials, Antifungals), By Route Of Administration, By Type, By Distribution Channel, And Segment Forecasts, 2025 - 2033

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Abstracts

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U.S. Veterinary Anti-infectives Market Summary

The U.S. veterinary anti-infectives market was estimated at USD 2.23 billion in 2024 and is projected to reach USD 3.55 billion by 2033, growing at a CAGR of 5.4% from 2025 to 2033. Key factors expected to drive the market include the rise in animal infectious diseases, increasing R&D initiatives, a boost to prudent antibiotic use, development of novel treatments, and growing applications of Artificial Intelligence (AI).

The veterinary anti-infectives market in the U.S. is undergoing a significant transformation, driven by rising concerns over antimicrobial resistance (AMR) in companion animals and livestock. A January 2025 study highlighted in News-Medical underscores how household dogs can harbor and transmit antibiotic-resistant Salmonella, elevating the risk of zoonotic infections. This has raised awareness among veterinarians and pet owners, leading to a growing demand for more targeted and safer anti-infective solutions in the companion animal segment. Veterinary practices are increasingly cautious about the indiscriminate use of broad-spectrum antibiotics, prompting interest in narrow-spectrum drugs, resistance-mitigating therapies, and even preventive care options like probiotics. This trend also fuels the growth of veterinary

diagnostics, especially for susceptibility testing that helps guide treatment decisions responsibly.

Innovations to reduce antibiotic reliance further shape the market in the livestock sector. A Penn State study from December 2024 revealed a promising new treatment for mastitis in dairy cows using bacteriophages instead of antibiotics. This breakthrough highlights the expanding market for antibiotic alternatives, including phage therapies, immunomodulators, peptides, and other biologics. Regulatory pressure from the FDA and USDA to curb routine antibiotic use in food-producing animals has increased the adoption of such alternatives, especially among dairy and beef producers. These stakeholders are now seeking effective treatments that comply with antimicrobial stewardship guidelines while maintaining herd health and productivity, thus broadening the veterinary anti-infectives landscape beyond conventional antibiotics.

Meanwhile, the American Veterinary Medical Association (AVMA) has emphasized the importance of communication between veterinarians and animal owners around responsible antibiotic use. This stewardship-led approach is reshaping prescribing behavior across U.S. veterinary practices. As veterinarians prioritize diagnosis-driven treatments and reduce empirical antibiotic use, there is an increasing demand for diagnostics, sensitivity testing, and more refined anti-infective therapies. Pharmaceutical companies are responding by developing precision drugs and educational resources that align with stewardship principles. This shift ensures better health outcomes and drives sustained market demand for innovation in veterinary anti-infectives.

In summary, the U.S. market is propelled by three major forces: the detection of AMR threats in pets, the emergence of non-antibiotic treatments for livestock diseases, and a growing culture of veterinary stewardship. These factors drive market players to diversify product portfolios, invest in R&D for safer alternatives, and develop tools supporting responsible antibiotic use. The result is a market rapidly evolving toward precision, sustainability, and innovation in the fight against antimicrobial resistance.

U.S. Veterinary Anti-infectives Market Report Segmentation

This report forecasts revenue growth at the country level and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the U.S. veterinary anti-infectives market report based on animal, product, route of administration, type, and distribution channel.

Animal Outlook (Revenue, USD Million, 2021 - 2033)

Livestock Animal

Poultry

Swine

Cattle

Sheep & Goats

Fish

Others

Companion Animal

Dogs

Cats

Others

Product Outlook (Revenue, USD Million, 2021 - 2033)

Antimicrobial

Tetracyclines

Penicillin

Cephalosporins

Macrolides

Quinolones

Others

Antifungals

Antivirals

Antiparasitic

Others

Route of Administration Outlook (Revenue, USD Million, 2021 - 2033)

Oral

Injectable

Topical

Type Outlook (Revenue, USD Million, 2021 - 2033)

OTC

Prescription

Distribution Channel Outlook (Revenue, USD Million, 2021 - 2033)

Hospital/ Clinic Pharmacy

Retail Pharmacies

E-commerce

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