

# **Veterinary Defibrillators Market Size, Share & Trends Analysis Report By Modality (Manual, Automatic), By Technology (Monophasic, Biphasic), By Functionality, By Animal, By End-use, By Region, And Segment Forecasts, 2024 - 2030**

<https://marketpublishers.com/r/V120B0F67828EN.html>

Date: September 2024

Pages: 200

Price: US\$ 5,950.00 (Single User License)

ID: V120B0F67828EN

## **Abstracts**

This report can be delivered to the clients within 2 Business Days

### **Veterinary Defibrillators Market Growth & Trends**

The global veterinary defibrillators market is expected to reach USD 99.99 million by 2030 and is anticipated to register a CAGR of 5.66% over the forecast period, according to a new report by Grand View Research, Inc. Two crucial factors driving the market growth are rising cases of arrhythmia in dogs & cats and evolving regulatory guidelines.

Arrhythmias like atrial fibrillation and Pulseless Ventricular Tachycardia/Ventricular Flutter (PVT) are the conditions that require defibrillation treatment to save the lives of dogs and cats. The cases of these conditions have been on the rise in recent years. For instance, a June 2024 study published in India Veterinary Journal evaluated the prevalence of arrhythmias in dogs for over a year, i.e., July 2022 to September 2023. According to this report, the prevalence of arrhythmias was found to be at over 26.21% in dogs and that of atrial fibrillation at over 30.70%. The prevalence of these arrhythmias in dogs varied with their ages and breeds.

Furthermore, an August 2023 study published in the Journal of Veterinary Emergency and Critical Care analyzed 627 cases of cardiopulmonary arrest (CPA) in dogs and cats across 16 veterinary institutions globally, focusing on the prevalence and impact of cardiac arrest rhythms on survival outcomes. Initial shockable rhythms (I-SHKRs) were

rare, occurring in 4% of dogs and 5% of cats, with subsequent shockable rhythms (S-SHKRs) in 15% of dogs and 5% of cats. No significant differences in return of spontaneous circulation (ROSC) rates were found between shockable and non-shockable rhythms. The study underscores the importance of consistent adherence to standardized CPR guidelines, like RECOVER, to improve survival rates and calls for further research to better understand these rhythms' role in animal survival.

The American Veterinary Medical Association (AVMA) revised its cardiopulmonary resuscitation (CPR) guidelines for cats and dogs in July 2024. With this important update, the 'one-size-fits-all' approach is abandoned in favor of a more individualized plan that takes into account the particular requirements of each species. The updated guidelines emphasize the value of quickness and stress the vital role that defibrillation, ventilation, and quick chest compressions play in saving lives. The guidelines ensure consistency in various scenarios by implementing a universal CPR algorithm, which facilitates veterinarians' ability to respond effectively in emergencies. The updated guidelines additionally stress teamwork and communication more during CPR, realizing that smooth cooperation is essential to getting the most effective outcomes.

However, one crucial factor that might hamper the growth of this market is its dependence on a single country for procuring veterinary specific defibrillators. Majority of the manufacturers that produce these defibrillators for veterinary use are headquartered in China. Apart from a handful of other players like Kalstein (France), New Gen Medical Systems and Digicare Biomedical, the consumers across the world are heavily dependent on the Chinese manufacturers. In case of events such as supply chain disruptions and other factors, this dependence may prove to be harmful for the market.

### Veterinary Defibrillators Market Report Highlights

Based on animal, the dogs & cats segment had the largest revenue share of 93.64% in 2023 due to presence of structured guidelines for the cardiopulmonary resuscitation of these animals. These guidelines ensure that proper protocol is followed to achieve effectiveness of the defibrillation.

Based on modality, the automatic (AED) segment dominated the market with a revenue share of 42.7% in 2023 and will continue its dominance along with a projected fastest growth rate over the forecast period. This growth is attributed to the rising need for refined, user-friendly defibrillation equipment.

Based on technology, the biphasic segment dominated the market with a share of over 90% in 2023 and is estimated to grow at the fastest CAGR due to its demonstrated advantages over monophasic in restoring a regular cardiac rhythm.

Based on functionality, the multiparameter-capability segment dominated the market in terms of revenue share in 2023 and is also anticipated to register a lucrative CAGR over the forecast period. This is considering that its advanced features and capabilities enhance veterinarians' ability to monitor and treat a range of cardiac conditions.

Based on the end use, the veterinary hospitals & clinics segment dominated the market in 2023 since these settings provide a concentration of emergency services and advanced medical care. Defibrillators are necessary for rapid intervention in complex cardiac emergencies, which are commonly dealt with by veterinary hospitals.

The Asia Pacific region dominated the market with a share of 50.80% and is anticipated to continue its dominance and is also projected to witness a CAGR of 6.78% over the forecast period. This can be owed to the presence of industry-dominant veterinary defibrillator manufacturers like Mindray International Limited, Shenzhen Comen Medical Instruments Co., Ltd., and Meditech Equipment Co., Ltd, among others.

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