

Swine Lameness Diagnostic Market Size, Share & Trends Analysis Report By Sector (Public, Private), By Service Provider (Veterinary Hospital/Clinic Laboratories), By Region, And Segment Forecasts, 2024 - 2030

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Abstracts

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Swine Lameness Diagnostic Market Growth & Trends

The global swine lameness diagnostic market size is expected to reach USD 166.74 million by 2030, registering a CAGR of 3.8% over the forecast period, according to a new report by Grand View Research, Inc. The increasing global demand for pork and pork products is driving the need for healthy livestock, which is, in turn, boosting the demand for effective swine lameness diagnostics. Furthermore, the high prevalence of lameness in the swine population due to various factors such as genetics, nutrition, and housing conditions increases the need for effective diagnostics. The presence of multiple players in the market encourages innovation and the development of new & improved diagnostic products. Collaborations between veterinary research institutions, diagnostic tool manufacturers, and swine producers enhance the development & distribution of advanced diagnostic solutions.

Technological advancements are one of the key factors propelling market growth. For instance, Precision Livestock Farming (PLF) is the specialized application of technology to instantly monitor diseases among animals. Lameness can affect the productivity and long-term health of sows. Lameness accounts for 10% to 20% of on-farm culling in the U.S. and is the third most common cause of culling, according to an article published by Pig Progress in November 2022. Lameness is difficult to diagnose and treat as many

medicines do not adequately reach the joints, and the condition becomes severe by the time intervention is initiated. The primary need on the farm is to diagnose lameness in earlier stages when the condition is moderate and sows may still successfully move and be treated. To do this, some farms are turning to precision livestock farming technologies to monitor and assist in recognizing behavior indicating lameness. Force plate systems, accelerometers, and pressure mats are techniques to score lameness a

utomatically.

Moreover, the market offers several opportunities for growth and innovation. Some opportunities in the swine lameness diagnostic market include research and development and government funding and programs. The potential application of artificial intelligence (AI) to assist in diagnosing swine diseases is the biggest opportunity for the market. Researchers across the world are engaging in exploring this vertical to turn it into a business opportunity. For instance, according to an article published by MDPI in 2023, researchers from China are attempting to develop an algorithm that can detect and analyze the posture of pigs using AI & deep machine learning, which can be useful in detecting various conditions such as lameness and fractures, among other musculoskeletal conditions. Moreover, market participants can benefit from supportive government initiatives, grants, and funding programs that work to improve animal health & stop disease outbreaks. Engaging in these initiatives can help advance diagnostic techno

logies in veterinary medicine.

Swine Lameness Diagnostic Market Report Highlights

Based on sector, the private segment held the largest share of 53.07% in 2023. Privately owned clinic laboratories often have advanced diagnostic technologies and methodologies

Based on service providers, the veterinary hospital/clinic laboratories segment dominated the market with a share of 77.43% in 2023. Veterinary clinics and hospitals are equipped with advanced diagnostic tools & technologies that allow accurate and timely diagnosis of swine lameness

Asia Pacific dominated the global market with a share of 36.52% in 2023. According to the Agriculture and Horticulture Development Board 2024, pork

makes up almost 60% of the total amount of meat consumed in China, and its consumption has been steadily increasing due to the growing middle class of the country

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation and Scope
- 1.2. Research Methodology
- 1.3. Information Procurement
 - 1.3.1. Purchased Database
 - 1.3.2. GVR's Internal Database
 - 1.3.3. Secondary Sources
 - 1.3.4. Primary Research
- 1.4. Information/Data Analysis
- 1.5. Market Formulation & Visualization
- 1.6. Data Validation & Publishing
- 1.7. Model Details
 - 1.7.1. Commodity flow analysis
 - 1.7.2. Global Market: CAGR Calculation
- 1.8. List of Secondary Sources

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Outlook
- 2.2. Segment Outlook
- 2.3. Competitive Insights

CHAPTER 3. SWINE LAMENESS DIAGNOSTIC MARKET VARIABLE TRENDS & SCOPE

- 3.1. Market Lineage Outlook
 - 3.1.1. Parent Market
 - 3.1.2. Ancillary Market
- 3.2. Market Dynamics
 - 3.2.1. Market Driver Analysis
 - 3.2.1.1. Rising Prevalence of Lameness in Pigs
 - 3.2.1.2. Rise in Pork meat production & consumption
 - 3.2.1.3. Rising Supportive Initiatives
 - 3.2.2. Market Restraint Analysis
 - 3.2.2.1. Shortage of Veterinarians
 - 3.2.2.2. Lack of Standardized Diagnostic Criteria

- 3.2.3. Market Opportunity Analysis
- 3.2.4. Market Challenge Analysis
- 3.3. Swine Lameness Diagnostic Market Analysis Tools
 - 3.3.1. Industry Analysis - Porter's
 - 3.3.1.1. Bargaining power of suppliers
 - 3.3.1.2. Bargaining power of buyers
 - 3.3.1.3. Threat of substitution
 - 3.3.1.4. Threat of new entrants
 - 3.3.1.5. Competitive rivalry
 - 3.3.2. PESTEL Analysis
 - 3.3.2.1. Political & Legal landscape
 - 3.3.2.2. Economic and Social landscape
 - 3.3.2.3. Technological landscape
 - 3.3.2.4. Environmental landscape
 - 3.3.3. Pricing Analysis
 - 3.3.4. Product Pipeline Analysis
 - 3.3.5. Technology Trend Analysis
 - 3.3.6. Estimated Swine Population, by key countries, 2018 - 2023
 - 3.3.7. COVID-19 Impact Analysis

CHAPTER 4. SWINE LAMENESS DIAGNOSTIC MARKET: SECTOR ESTIMATES & TREND ANALYSIS

- 4.1. Segment Dashboard
- 4.2. Swine Lameness Diagnostic Market: Sector Movement Analysis
- 4.3. Swine Lameness Diagnostic Market Size & Trend Analysis, by Sector, 2018 to 2030 (USD Million)
- 4.4. Public
 - 4.4.1. Public Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)
- 4.5. Private
 - 4.5.1. Private Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

CHAPTER 5. SWINE LAMENESS DIAGNOSTIC MARKET: BY SERVICE PROVIDER ESTIMATES & TREND ANALYSIS

- 5.1. Segment Dashboard
- 5.2. Swine Lameness Diagnostic Market: By Service Provider Movement Analysis
- 5.3. Swine Lameness Diagnostic Market Size & Trend Analysis, by Service Provider, 2018 to 2030 (USD Million)

5.4. Veterinary Hospital/Clinic Laboratories

5.4.1. Veterinary Hospital/Clinic Laboratories Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

5.5. Reference Laboratories

5.5.1. Reference Laboratories Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

CHAPTER 6. SWINE LAMENESS DIAGNOSTIC MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

6.1. Regional Dashboard

6.2. Swine Lameness Diagnostic Market Share, By Region, 2023 & 2030 (USD Million)

6.3. Regional Outlook

6.3.1. U.S.

6.3.1.1. U.S. Swine Lameness Diagnostic Market Estimates And Forecasts, 2018 - 2030 (USD Million)

6.4. Europe

6.4.1. Europe Swine Lameness Diagnostic Market Estimates And Forecasts, 2018 - 2030 (USD Million)

6.4.2. UK

6.4.2.1. UK Swine Lameness Diagnostic Market Estimates And Forecasts, 2018 - 2030 (USD Million)

6.4.3. Germany

6.4.3.1. Germany Swine Lameness Diagnostic Market Estimates And Forecasts, 2018 - 2030 (USD Million)

6.4.4. France

6.4.4.1. France Swine Lameness Diagnostic Market Estimates And Forecasts, 2018 - 2030 (USD Million)

6.4.5. Italy

6.4.5.1. Italy Swine Lameness Diagnostic Market Estimates And Forecasts, 2018 - 2030 (USD Million)

6.4.6. Spain

6.4.6.1. Spain Swine Lameness Diagnostic Market Estimates And Forecasts, 2018 - 2030 (USD Million)

6.4.7. Denmark

6.4.7.1. Denmark Swine Lameness Diagnostic Market Estimates And Forecasts, 2018 - 2030 (USD Million)

6.4.8. Sweden

6.4.8.1. Sweden Swine Lameness Diagnostic Market Estimates And Forecasts, 2018 - 2030 (USD Million)

- 2030 (USD Million)

6.4.9. Norway

6.4.9.1. Norway Swine Lameness Diagnostic Market Estimates And Forecasts, 2018

- 2030 (USD Million)

6.5. Asia Pacific

6.5.1. Asia Pacific Swine Lameness Diagnostic Market Estimates And Forecasts, 2018

- 2030 (USD Million)

6.5.2. China

6.5.2.1. China Swine Lameness Diagnostic Market Estimates And Forecasts, 2018 -
2030 (USD Million)

6.5.3. Vietnam

6.5.3.1. Vietnam Swine Lameness Diagnostic Market Estimates And Forecasts, 2018
- 2030 (USD Million)

6.6. Latin America

6.6.1. Latin America Swine Lameness Diagnostic Market Estimates And Forecasts,
2018 - 2030 (USD Million)

6.6.2. Brazil

6.6.2.1. Brazil Swine Lameness Diagnostic Market Estimates And Forecasts, 2018 -
2030 (USD Million)

CHAPTER 7. COMPETITIVE LANDSCAPE

7.1. List of Key Market Players

7.1.1. Merck KGaA

7.1.1.1. Company Overview

7.1.1.2. Product Benchmarking

7.1.2. IDEXX Laboratories, Inc.

7.1.2.1. Company Overview

7.1.2.2. Product Benchmarking

7.1.3. BioChek

7.1.3.1. Company Overview

7.1.3.2. Product Benchmarking

7.1.4. Neogen Corporation

7.1.4.1. Company Overview

7.1.4.2. Product Benchmarking

7.1.5. Bio-Rad Laboratories

7.1.5.1. Company Overview

7.1.5.2. Product Benchmarking

7.1.6. Gold Standard Diagnostics

- 7.1.6.1. Company Overview
- 7.1.6.2. Product Benchmarking
- 7.1.7. Thermo Fisher Scientific Inc.
 - 7.1.7.1. Company Overview
 - 7.1.7.2. Product Benchmarking
- 7.1.8. Ingenetix GmbH
 - 7.1.8.1. Company Overview
 - 7.1.8.2. Product Benchmarking
- 7.1.9. KYLT (part of SAN Group)
 - 7.1.9.1. Company Overview
 - 7.1.9.2. Product Benchmarking
- 7.1.10. Ring Biotechnology Co Ltd.
 - 7.1.10.1. Company Overview
 - 7.1.10.2. Product Benchmarking
- 7.1.11. Primer Design (Novacyt)
 - 7.1.11.1. Company Overview
 - 7.1.11.2. Product Benchmarking
- 7.2. List of laboratories

List Of Tables

LIST OF TABLES

Table 1 List of secondary sources

Table 2 Swine Lameness Diagnostic Market, by Region, 2018 - 2030 (USD Million)

Table 3 Swine Lameness Diagnostic Market, by Sector, 2018 - 2030 (USD Million)

Table 4 Swine Lameness Diagnostic Market, by Service Provider, 2018 - 2030 (USD Million)

Table 5 U.S. Swine Lameness Diagnostic Market, by Sector, 2018 - 2030 (USD Million)

Table 6 U.S. Swine Lameness Diagnostic Market, by Service Provider, 2018 - 2030 (USD Million)

Table 7 Europe Swine Lameness Diagnostic Market, by Country, 2018 - 2030 (USD Million)

Table 8 Europe Swine Lameness Diagnostic Market, by Sector, 2018 - 2030 (USD Million)

Table 9 Europe Swine Lameness Diagnostic Market, by Service Provider, 2018 - 2030 (USD Million)

Table 10 Germany Swine Lameness Diagnostic Market, by Sector, 2018 - 2030 (USD Million)

Table 11 Germany Swine Lameness Diagnostic Market, by Service Provider, 2018 - 2030 (USD Million)

Table 12 UK Swine Lameness Diagnostic Market, by Sector, 2018 - 2030 (USD Million)

Table 13 UK Swine Lameness Diagnostic Market, by Service Provider, 2018 - 2030 (USD Million)

Table 14 France Swine Lameness Diagnostic Market, by Sector, 2018 - 2030 (USD Million)

Table 15 France Swine Lameness Diagnostic Market, by Service Provider, 2018 - 2030 (USD Million)

Table 16 Italy Swine Lameness Diagnostic Market, by Sector, 2018 - 2030 (USD Million)

Table 17 Italy Swine Lameness Diagnostic Market, by Service Provider, 2018 - 2030 (USD Million)

Table 18 Spain Swine Lameness Diagnostic Market, by Sector, 2018 - 2030 (USD Million)

Table 19 Spain Swine Lameness Diagnostic Market, by Service Provider, 2018 - 2030 (USD Million)

Table 20 Denmark Swine Lameness Diagnostic Market, by Sector, 2018 - 2030 (USD Million)

Million)

Table 21 Denmark Swine Lameness Diagnostic Market, by Service Provider, 2018 - 2030 (USD Million)

Table 22 Sweden Swine Lameness Diagnostic Market, by Sector, 2018 - 2030 (USD Million)

Table 23 Sweden Swine Lameness Diagnostic Market, by Service Provider, 2018 - 2030 (USD Million)

Table 24 Norway Swine Lameness Diagnostic Market, by Sector, 2018 - 2030 (USD Million)

Table 25 Norway Swine Lameness Diagnostic Market, by Service Provider, 2018 - 2030 (USD Million)

Table 26 Asia Pacific Swine Lameness Diagnostic Market, by Country, 2018 - 2030 (USD Million)

Table 27 Asia Pacific Swine Lameness Diagnostic Market, by Sector, 2018 - 2030 (USD Million)

Table 28 Asia Pacific Swine Lameness Diagnostic Market, by Service Provider, 2018 - 2030 (USD Million)

Table 29 China Swine Lameness Diagnostic Market, by Sector, 2018 - 2030 (USD Million)

Table 30 China Swine Lameness Diagnostic Market, by Service Provider, 2018 - 2030 (USD Million)

Table 31 Vietnam Swine Lameness Diagnostic Market, by Sector, 2018 - 2030 (USD Million)

Table 32 Vietnam Swine Lameness Diagnostic Market, by Service Provider, 2018 - 2030 (USD Million)

Table 33 Latin America Swine Lameness Diagnostic Market, by Country, 2018 - 2030 (USD Million)

Table 34 Latin America Swine Lameness Diagnostic Market, by Sector, 2018 - 2030 (USD Million)

Table 35 Latin America Swine Lameness Diagnostic Market, by Service Provider, 2018 - 2030 (USD Million)

Table 36 Brazil Swine Lameness Diagnostic Market, by Sector, 2018 - 2030 (USD Million)

Table 37 Brazil Swine Lameness Diagnostic Market, by Service Provider, 2018 - 2030 (USD Million)

Table 38 Company Overview

Table 39 Product Benchmarking

List Of Figures

LIST OF FIGURES

- Fig. 1 Market segmentation
- Fig. 2 Market research process
- Fig. 3 Information procurement
- Fig. 4 Primary research pattern
- Fig. 5 Market research approaches
- Fig. 6 Value chain-based sizing & forecasting
- Fig. 7 QFD modeling for market share assessment
- Fig. 8 Market formulation & validation
- Fig. 9 Swine lameness diagnostic market revenue, 2018 - 2030 (USD Million)
- Fig. 10 Swine lameness diagnostic market snapshot
- Fig. 11 Swine lameness diagnostic market driver impact
- Fig. 12 Swine lameness diagnostic market restraint impact
- Fig. 13 Swine lameness diagnostic sector key takeaways (USD Million)
- Fig. 14 Swine lameness diagnostic market: sector movement analysis
- Fig. 15 Public market, 2018 - 2030 (USD Million)
- Fig. 16 Private market, 2018 - 2030 (USD Million)
- Fig. 17 Swine lameness diagnostic market Service provider key takeaways (USD Million)
- Fig. 18 Swine lameness diagnostic market: Service provider movement analysis
- Fig. 19 Veterinary hospital/clinic laboratories market, 2018 - 2030 (USD Million)
- Fig. 20 Reference laboratories market, 2018 - 2030 (USD Million)
- Fig. 21 Regional marketplace: Key takeaways
- Fig. 22 Regional outlook, 2023 & 2030
- Fig. 23 U.S. swine lameness diagnostic market, 2018 - 2030 (USD Million)
- Fig. 24 Europe swine lameness diagnostic market, 2018 - 2030 (USD Million)
- Fig. 25 UK swine lameness diagnostic market, 2018 - 2030 (USD Million)
- Fig. 26 Germany swine lameness diagnostic market, 2018 - 2030 (USD Million)
- Fig. 27 France swine lameness diagnostic market, 2018 - 2030 (USD Million)
- Fig. 28 Italy swine lameness diagnostic market, 2018 - 2030 (USD Million)
- Fig. 29 Spain swine lameness diagnostic market, 2018 - 2030 (USD Million)
- Fig. 30 Denmark swine lameness diagnostic market, 2018 - 2030 (USD Million)
- Fig. 31 Sweden swine lameness diagnostic market, 2018 - 2030 (USD Million)
- Fig. 32 Norway swine lameness diagnostic market, 2018 - 2030 (USD Million)
- Fig. 33 Asia Pacific swine lameness diagnostic market, 2018 - 2030 (USD Million)

- Fig. 34 China swine lameness diagnostic market, 2018 - 2030 (USD Million)
- Fig. 35 Vietnam swine lameness diagnostic market, 2018 - 2030 (USD Million)
- Fig. 36 Latin America swine lameness diagnostic market, 2018 - 2030 (USD Million)
- Fig. 37 Brazil swine lameness diagnostic market, 2018 - 2030 (USD Million)
- Fig. 38 Market participant categorization

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