

Small Animal Imaging Market Research Report Information by Product Optical Imaging (Photoacoustic Tomography and Optical Coherence Tomography), Nuclear Imaging (Micro PET System, Micro SPECT System, Micro MRI System, Micro CT System, and Others), Reagent (Optical Image Reagent, Contrast Agent, Pet Tracers, and SPECT Probe), by Application (Monitoring Drug Treatment Programme, Bio Distribution Studies, Cancer Cell Detection, Biomarkers, and Longitudinal Studies), by Region (North America, Europe, Asia-Pacific, and Rest of the World) - Forecast to 2032

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Market Overview

In 2022, the Small Animal Imaging Market was estimated to be worth USD 1.12 billion. During the forecast period (2023-2032), the small animal imaging market industry is expected to experience a compound annual growth rate (CAGR) of 6.87%, increasing

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from USD 1.19 billion in 2023 to USD 2.32 billion by 2032. The market growth is being driven by the pharmaceutical industry's increasing investment in research and development (R&D) and the growing awareness of small animal research. The growth of the small animal imaging market is being significantly influenced by the growing awareness of small animal research on numerous fronts. Initially, the demand for sophisticated imaging technologies that can enable more precise and comprehensive studies in small animal models is on the rise as more stakeholders become aware of the indispensable role that these models play in preclinical research.

Additionally, the adoption of innovative imaging modalities is being driven by the recognition of the value of small animal imaging in elucidating disease mechanisms, evaluating therapeutic interventions, and predicting clinical outcomes by researchers. In addition, the market is being further stimulated by the increased investment and favorable regulatory environments that are the result of the increased awareness among funding agencies, policymakers, and regulatory bodies regarding the significance of supporting small animal research.

Market segment insights

Imaging modality and reagent comprise the Small Animal Imaging Market segmentation, which is based on product. Optical imaging and nuclear imaging are additional subcategories of imaging modality. Computed tomography (CT), magnetic resonance imaging (MRI), and ultrasonography are the three primary categories into which imaging investigations are divided. Additionally, optical imaging is divided into two categories: Photoacoustic Tomography and Optical Coherence Tomography. Nuclear imaging is further divided into five categories: Micro PET System, Micro SPECT System, Micro MRI System, Micro CT System, and Others.

The segmentation of the Small Animal Imaging Market is based on the application, which includes the surveillance of drug treatment programs, bio distribution studies, cancer cell detection, biomarkers, and longitudinal studies.

Regional Perspectives

In 2022, the North American small animal imaging market held the largest market share. The reason for this is the increasing prevalence of chronic diseases in pets in the North American region, as well as the increasing research and development activities in the field of pharmaceuticals and biotechnology.

The second-largest market share in the European small animal imaging market is attributed to the increasing demand for preclinical imaging in the pharmaceutical and biotechnology industry, the increased government funding for research and development in the field of molecular imaging, and the strong presence of leading imaging equipment manufacturers in the region.

It is anticipated that the Asia-Pacific small animal imaging market will experience substantial growth from 2023 to 2032. This is a result of the region's increasing healthcare expenditure, the increasing demand for preclinical research in drug discovery and development, and the technological advancements in imaging modalities such as MRI, CT, PET, and SPECT.

Major Players

Bruker (US), Analytik Jena GmbH+Co. KG (Germany), Aspect Imaging Ltd (US), MR Solutions (UK), FUJIFILM Holdings Corporation (Japan), MILabs B.V. (Netherlands), Trifoil Imaging (US), Mediso Ltd (Hungary), LI-COR, Inc (US), and Heska Corporation (US) are among the key companies in the Small Animal Imaging Market.

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Table of Contents:

TABLE OF CONTENTS	
1 EXECUTIVE SUMMARY	
1.1 OVERVIEW	
2 MARKET INTRODUCTION	
2.1 DEFINITION	
2.2 SCOPE OF THE STUDY	
2.3 RESEARCH OBJECTIVE	
2.4 MARKET STRUCTURE	
2.5 ASSUMPTIONS & LIMITATIONS	
3 RESEARCH METHODOLOGY	
3.1 DATA MINING	
3.2 SECONDARY RESEARCH	
3.3 PRIMARY RESEARCH	
3.4 BREAKDOWN OF PRIMARY RESPONDENTS	
3.5 FORECASTING TECHNIQUES	
3.6 RESEARCH METHODOLOGY FOR MARKET SIZE ESTIMATION	
3.6.1 BOTTOM-UP APPROACH	
3.6.2 TOP-DOWN APPROACH	
3.7 DATA TRIANGULATION	
3.8 VALIDATION	
4 MARKET DYNAMICS	
4.1 OVERVIEW	
4.2 DRIVERS	
4.2.1 INCREASING R&D INVESTMENT BY PHARMACEUTICAL INDUSTRY	
4.2.2 RISING AWARENESS OF SMALL ANIMAL RESEARCH	
4.3 RESTRAINTS	
4.3.1 STRICT REGULATIONS GOVERNING ON SMALL ANIMAL RESEARCH	
4.4 OPPORTUNITIES	
4.4.1 GROWING TECHNOLOGICAL ADVANCEMENTS IN SMALL ANIMAL IMAGING FOR PRECLINICAL STUDIES	
5 MARKET FACTOR ANALYSIS	
5.1 PORTER'S FIVE FORCES MODEL	
5.1.1 THREAT OF NEW ENTRANTS	
5.1.2 BARGAINING POWER OF SUPPLIERS	
5.1.3 THREAT OF SUBSTITUTES	
5.1.4 BARGAINING POWER OF BUYERS	
5.1.5 INTENSITY OF RIVALRY	
5.2 IMPACT OF COVID-19 ON THE GLOBAL SMALL ANIMAL IMAGING MARKET	
6 GLOBAL SMALL ANIMAL IMAGING MARKET, BY PRODUCT	
6.1 OVERVIEW	
6.1.1 IMAGING MODALITY	
6.1.1.1 OPTICAL IMAGING	
6.1.1.1.1 PHOTOACOUSTIC TOMOGRAPHY	
6.1.1.1.2 OPTICAL COHERENCE TOMOGRAPHY	
6.1.1.2 NUCLEAR IMAGING	
6.1.1.2.1 MICRO PET SYSTEM	
6.1.1.2.2 MICRO SPECT SYSTEM	

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- 6.1.1.2.3 MICRO MRI SYSTEM
- 6.1.1.2.4 MICRO CT SYSTEM
- 6.1.1.2.5 OTHERS
- 6.1.2 REAGENT
 - 6.1.2.1 OPTICAL IMAGE REAGENT
 - 6.1.2.2 CONTRAST AGENT
 - 6.1.2.3 PET TRACERS
 - 6.1.2.4 SPECT PROBE
- 7 GLOBAL SMALL ANIMAL IMAGING MARKET, BY APPLICATION
 - 7.1 OVERVIEW
 - 7.1.1 MONITORING DRUG TREATMENT PROGRAMME
 - 7.1.2 BIO DISTRIBUTION STUDIES
 - 7.1.3 CANCER CELL DETECTION
 - 7.1.4 BIOMARKERS
 - 7.1.5 LONGITUDINAL STUDIES
- 8 GLOBAL SMALL ANIMAL IMAGING MARKET, BY REGION
 - 8.1 OVERVIEW
 - 8.2 NORTH AMERICA
 - 8.2.1 US
 - 8.2.2 CANADA
 - 8.3 EUROPE
 - 8.3.1 GERMANY
 - 8.3.2 FRANCE
 - 8.3.3 UK
 - 8.3.4 ITALY
 - 8.3.5 SPAIN
 - 8.3.6 REST OF EUROPE
 - 8.4 ASIA-PACIFIC
 - 8.4.1 CHINA
 - 8.4.2 INDIA
 - 8.4.3 JAPAN
 - 8.4.4 AUSTRALIA & NEW ZEALAND
 - 8.4.5 REST OF ASIA-PACIFIC
 - 8.5 REST OF THE WORLD
 - 8.5.1 AFRICA
 - 8.5.2 MIDDLE EAST
 - 8.5.3 LATIN AMERICA
- 9 COMPETITIVE LANDSCAPE
 - 9.1 OVERVIEW
 - 9.2 COMPETITIVE BENCHMARKING
- 10 COMPANY PROFILES
 - 10.1 BRUKER
 - 10.1.1 COMPANY OVERVIEW
 - 10.1.2 FINANCIAL OVERVIEW
 - 10.1.3 PRODUCTS OFFERED
 - 10.1.4 KEY DEVELOPMENTS
 - 10.1.5 SWOT ANALYSIS

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- 10.1.6 KEY STRATEGIES
- 10.2 ANALYTIK JENA GMBH+CO. KG
 - 10.2.1 COMPANY OVERVIEW
 - 10.2.2 FINANCIAL OVERVIEW
 - 10.2.3 PRODUCTS OFFERED
 - 10.2.4 KEY DEVELOPMENTS
 - 10.2.5 KEY STRATEGIES
- 10.3 ASPECT IMAGING LTD.
 - 10.3.1 COMPANY OVERVIEW
 - 10.3.2 FINANCIAL OVERVIEW
 - 10.3.3 PRODUCTS OFFERED
 - 10.3.4 KEY DEVELOPMENTS
 - 10.3.5 KEY STRATEGIES
- 10.4 MR SOLUTIONS
 - 10.4.1 COMPANY OVERVIEW
 - 10.4.2 FINANCIAL OVERVIEW
 - 10.4.3 PRODUCTS OFFERED
 - 10.4.4 KEY DEVELOPMENTS
 - 10.4.5 KEY STRATEGIES
- 10.5 FUJIFILM HOLDINGS CORPORATION
 - 10.5.1 COMPANY OVERVIEW
 - 10.5.2 FINANCIAL OVERVIEW
 - 10.5.3 PRODUCTS OFFERED
 - 10.5.4 KEY DEVELOPMENTS
 - 10.5.5 SWOT ANALYSIS
 - 10.5.6 KEY STRATEGIES
- 10.6 MILABS B.V.
 - 10.6.1 COMPANY OVERVIEW
 - 10.6.2 FINANCIAL OVERVIEW
 - 10.6.3 PRODUCTS OFFERED
 - 10.6.4 KEY DEVELOPMENTS
 - 10.6.5 SWOT ANALYSIS
 - 10.6.6 KEY STRATEGIES
- 10.7 TRIFOIL IMAGING
 - 10.7.1 COMPANY OVERVIEW
 - 10.7.2 FINANCIAL OVERVIEW
 - 10.7.3 PRODUCTS OFFERED
 - 10.7.4 KEY DEVELOPMENTS
 - 10.7.5 SWOT ANALYSIS
 - 10.7.6 KEY STRATEGIES
- 10.8 MEDISO LTD.
 - 10.8.1 COMPANY OVERVIEW
 - 10.8.2 FINANCIAL OVERVIEW
 - 10.8.3 PRODUCTS OFFERED
 - 10.8.4 KEY DEVELOPMENTS
 - 10.8.5 SWOT ANALYSIS
 - 10.8.6 KEY STRATEGIES

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- 10.9 LI-COR, INC.
- 10.9.1 COMPANY OVERVIEW
- 10.9.2 FINANCIAL OVERVIEW
- 10.9.3 PRODUCTS OFFERED
- 10.9.4 KEY DEVELOPMENTS
- 10.9.5 KEY STRATEGIES
- 10.10 HESKA CORPORATION
- 10.10.1 COMPANY OVERVIEW
- 10.10.2 FINANCIAL OVERVIEW
- 10.10.3 PRODUCTS OFFERED
- 10.10.4 KEY DEVELOPMENTS
- 10.10.5 KEY STRATEGIES
- 11 APPENDIX
- 11.1 REFERENCES
- 11.2 RELATED REPORTS

Small Animal Imaging Market Research Report Information by Product Optical Imaging (Photoacoustic Tomography and Optical Coherence Tomography), Nuclear Imaging (Micro PET System, Micro SPECT System, Micro MRI System, Micro CT System, and Others), Reagent (Optical Image Reagent, Contrast Agent, Pet Tracers, and SPECT Probe), by Application (Monitoring Drug Treatment Programme, Bio Distribution Studies, Cancer Cell Detection, Biomarkers, and Longitudinal Studies), by Region (North America, Europe, Asia-Pacific, and Rest of the World) - Forecast to 2032

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