

Digital Pathology: Technologies and Global Markets

<https://marketpublishers.com/r/D0010BB5F4AEN.html>

Date: November 2022

Pages: 191

Price: US\$ 5,500.00 (Single User License)

ID: D0010BB5F4AEN

Abstracts

Report Scope:

This report includes forecasted trends and sales in the digital pathology markets through 2027. Key market participants, extensive product segments, supporting technologies, trends and market dynamics, competitive intelligence, and regional trends are discussed. There is a detailed discussion on market dynamics and the level of impact, key geographies and respective trends, and competitive scenarios that will form the base data for qualitative analysis and market estimates.

The digital pathology and telepathology market have been analyzed for the four main geographic regions: North America, Europe, Asia-Pacific, and the Rest of the World (RoW).

This report will provide details with respect to the conventional process of pathology laboratories, but it will specifically exclude the scope of market analysis for conventional path-lab devices (e.g., conventional microscopes, slides). The connectivity and network issues discussed in the report will be specific to data and information generated from pathology labs and that regarding specific diagnosis; but it will exclude general hospital-based mHealth issues. Telepathology covered in the report is limited to diagnostic, research and development (R&D), and education and training applications. It excludes the scope of telemedicine at a larger level.

Report Includes:

52 data tables and 32 additional tables

An up-to-date overview and analysis of the global markets for digital pathology technologies

Analyses of the global market trends, with historic market revenue data for 2020 and 2021, estimates for 2022, and projections of compound annual growth rates (CAGRs) through 2027

Highlights of the upcoming market opportunities for the digital pathology market, industry specific growth driving factors, and areas of focus to forecast this market into various segments and sub-segments

Estimation of the actual market size and market forecast for digital pathology in value (USD millions) terms, and their corresponding market share analysis by system, type, application, end-user, and geographic region

In-depth information (facts and figures) concerning major market dynamics, technology updates, new products and applications, and COVID-19 impact on the market for digital pathology

Coverage of the technological, economic, and business considerations of the global market for digital pathology, with analyses and market forecasts through 2027

Updated information on key mergers and acquisition deals, agreements, collaborations and product launches within the digital pathology industry

A relevant patent analysis

Analysis of the company competitive landscape for digital pathology market, and company value share analysis based on segmental revenues and key financial performance

Profile descriptions of the leading global companies, including CliniSys, F. Hoffmann-La Roche Ltd., Leica Biosystems Inc., Nikon Instruments Inc., and XIFIN Inc.

Contents

CHAPTER 1 INTRODUCTION

- 1.1 Study Goals and Objectives
- 1.2 Study Background
- 1.3 Scope of Report
- 1.4 Intended Audience
- 1.5 Information Source and Methodology
- 1.6 What's New in This Update?
- 1.7 Analyst's Credentials
- 1.8 BCC Custom Research
- 1.9 Related BCC Research Reports

CHAPTER 2 EXECUTIVE SUMMARY

CHAPTER 3 MARKET OVERVIEW

- 3.1 Current Trends in Digital Pathology
 - 3.1.1 Collaborations to Develop Better Solutions
 - 3.1.2 Innovations to Surge Market Growth
 - 3.1.3 Cloud Computing to Enhance Healthcare Delivery Systems
 - 3.1.4 Digital and Computational Pathology
- 3.2 Telepathology and Digital Pathology Market Definition, Evolution and Integration
 - 3.2.1 Key Markets for Digital Telepathology
- 3.3 Conventional Process Versus Digital Pathology and Cost Works
- 3.4 Image Analysis and Its Importance in Key Research Areas
- 3.5 Digital Pathology in Clinical Trials
- 3.6 Digital Pathology: Electronic Health Records, Electronic Medical Records and Other Information Systems
- 3.7 Regulatory Environment
 - 3.7.1 United States
 - 3.7.2 United Kingdom
- 3.8 Technology Trends
 - 3.8.1 Scanning Speeds and Image Resolutions
 - 3.8.2 Viewing Advancements and Clinical Decision Support
 - 3.8.3 Archival Standards
 - 3.8.4 Multi-Site Collaboration Applications
 - 3.8.5 Whole-Slide Digital Imaging

- 3.8.6 Cloud Computing and Digital Pathology
- 3.8.7 Laboratory Information Systems
- 3.9 Digital Pathology: Developed Versus Developing Economies
- 3.10 The Middle East and African Digital Pathology Market Trends
- 3.11 Market Intelligence
- 3.12 Technology Transition: Digital Pathology Components to Integrated Systems
- 3.13 Digital Market Segment Overview
 - 3.13.1 Whole-Slide Imaging
 - 3.13.2 Laboratory Information Management System
 - 3.13.3 Medical Imaging Informatics
- 3.14 Agreements and Collaborations to Enhance Presence in Imaging Applications
- 3.15 U.S. as the Base for Digital Pathology System Innovation
- 3.16 Strategic Conclusions
- 3.17 Case Studies
 - 3.17.1 Case Study 1: Digital Pathology Enabling Critical Diagnosis
 - 3.17.2 Case Study 2: Initiatives and Examples of Telepathology Deployment in Developing Economies
 - 3.17.3 Case Study 3: Digital Pathology's Role in Cost Savings Among Big Pharma Companies
 - 3.17.4 Case Study 4: Digital Pathology in Resource-poor Settings
 - 3.17.5 Case Study 5: Health Evaluation Centers in Vietnam -- Business Model of Medical Support of Foreign Countries with WSI Telepathology
 - 3.17.6 Case Study 6: Complete Digital Pathology for Primary Diagnosis, Two Years on: The Experience at Granada 3.17.1 University Hospitals, Spain
 - 3.17.7 Case Study 7: Telepathology in Mongolia
 - 3.17.8 Case Study 8: The Prostate Cancer Image Epidemiology Project: Toward Model-based Histopathology, Sweden
 - 3.17.9 Case Study 9: A Financial Projection for Digital Pathology Implementation at a Large, Integrated Healthcare Organization
- 3.18 Market Dynamics
 - 3.18.1 Drivers
 - 3.18.2 Restraints
 - 3.18.3 Challenges and Opportunities
- 3.19 Impact of the COVID-19 Pandemic
 - 3.19.1 Introduction
 - 3.19.2 Impact on Digital Pathology Market

CHAPTER 4 DIGITAL PATHOLOGY SYSTEM MARKET

- 4.1 Challenges in Implementing AI
- 4.2 Digital Pathology Devices Market
 - 4.2.1 Virtual Microscopy and Virtual Slides
 - 4.2.2 Digital Cameras
 - 4.2.3 Robotic Microscopes
 - 4.2.4 Image Sensors
 - 4.2.5 Scanners
- 4.3 Digital Pathology Analytics Market
 - 4.3.1 Visualization and Image Analysis Platforms
 - 4.3.2 Digital Pathology Information Management Systems
- 4.4 Digital Pathology Storage Market
 - 4.4.1 Vendor-Neutral Archive
- 4.5 Communication Platform Market
 - 4.5.1 Web-based or Cloud-based Communication Platforms in Digital Pathology
 - 4.5.2 Internet of Medical Things (IoMT) Enabling Real-time Monitoring and Action
 - 4.5.3 Increased Adoption of Electronic Healthcare Records (EHRs)
 - 4.5.4 Artificial Intelligence (AI) on the Cloud to Facilitate Better Diagnostics
 - 4.5.5 Telemedicine Bringing Healthcare to Rural and Remote Areas
 - 4.5.6 Digital Twins Enable Safe Testing Environments
- 4.6 Telepathology Systems
 - 4.6.1 Key Advantages of Telepathology Systems
 - 4.6.2 Static Image-based Systems
 - 4.6.3 Hybrid Telepathology Systems
 - 4.6.4 Real-time Telepathology Imaging Systems

CHAPTER 5 IN VITRO AND OTHER DIAGNOSTIC DEVICES IN THE DIGITAL PATHOLOGY MARKET

- 5.1 Automated Hematology Analyzers and Blood Cell Counters
 - 5.1.1 Hematology Analyzer Components and Mechanics
 - 5.1.2 Hematology Instrument Software
 - 5.1.3 Hematology Instrumentation from the Manufacturer's Perspective
 - 5.1.4 Advanced Hematology Analyzer Model Market
 - 5.1.5 Standard Hematology Analyzer Model Market
 - 5.1.6 Digital Cell Counter Features
 - 5.1.7 Current Products and Features
- 5.2 Digital Chromosome Analyzers
- 5.3 Fluorescence In Situ Hybridization Enumeration Systems
- 5.4 Digital Urine Sediment Analyzers

- 5.5 Immunohistochemistry Image Analysis Applications
- 5.6 Digital Cytopathology
- 5.7 Digital Polymerase Chain Reaction
 - 5.7.1 Digital Polymerase Chain Reaction Applications
 - 5.7.2 Digital Polymerase Chain Reaction Advantages
 - 5.7.3 Real-Time Versus Traditional Versus Digital Polymerase Chain Reaction
- 5.8 Signet Cell Detection
- 5.9 Digital Holographic Microscopy

CHAPTER 6 DIGITAL PATHOLOGY MARKET BY TYPE

- 6.1 Anatomical Pathology
 - 6.1.1 Key Considerations for Integrating Digital Pathology Systems with Anatomy Pathology Laboratory Information Systems
 - 6.1.2 Genetic Pathology
- 6.2 Hematology and Clinical Pathology
- 6.3 Immunopathology
- 6.4 Chemical Pathology
- 6.5 Forensic Pathology
- 6.6 Microbiology

CHAPTER 7 DIGITAL PATHOLOGY MARKET BY APPLICATION

- 7.1 Disease Diagnosis
- 7.2 Drug Discovery and Drug Development
 - 7.2.1 Digital Image Uses
- 7.3 Research and Development

CHAPTER 8 END-USER MARKET

- 8.1 Biotech and Pharma Companies
- 8.2 Hospitals and Diagnostic Centers
- 8.3 Academic Centers and Others

CHAPTER 9 REGIONAL MARKET ANALYSIS

- 9.1 North America
- 9.2 Europe
 - 9.2.1 Case Study: Implementation Issues for Virtual Microscopy in Europe

9.3 Asia-Pacific

9.3.1 China

9.3.2 India

9.4 Rest of the World (RoW)

CHAPTER 10 COMPETITIVE LANDSCAPE

10.1 New Product Development

10.2 Other Key Strategies

CHAPTER 11 PATENT ANALYSIS

11.1 U.S. Patent Analysis

11.2 European Patent Analysis

11.3 Japan Patent Analysis

11.4 List of Patents

CHAPTER 12 COMPANY PROFILES

3DHISTECH LTD.

APOLLO ENTERPRISE IMAGING CORP.

CLINISYS

CORISTA

F. HOFFMANN-LA ROCHE LTD.

HURON TECHNOLOGIES INTERNATIONAL INC.

INDICA LABS INC.

INSPIRATA INC.

LEICA BIOSYSTEMS INC.

LIGOLAB INFORMATION SYSTEMS LLC

MIKROSCAN TECHNOLOGIES INC.

NIKON INSTRUMENTS INC.

VISIOPHARM

XIFIN

List Of Tables

LIST OF TABLES

- Summary Table: Global Digital Pathology Market, by Region, Through 2027
- Table 1: Total Number of COVID-19 Confirmed Cases, by Region, as of September 27, 2022
- Table 2: Global Digital Pathology System Market, by System, Through 2027
- Table 3: Global Digital Pathology Devices Market, by Type, Through 2027
- Table 4: Global Digital Pathology Devices Market, by Region, Through 2027
- Table 5: Global Digital Cameras Segment in the Digital Pathology Device Market, by Region, Through 2027
- Table 6: Global Robotic Microscopes Segment in the Digital Pathology Device Market, by Region, Through 2027
- Table 7: Global Scanners Segment in the Digital Pathology Device Market, by Region, Through 2027
- Table 8: Global Digital Pathology Analytics Market, by Platform, Through 2027
- Table 9: Global Digital Pathology Analytics Market, by Region, Through 2027
- Table 10: Global Digital Pathology Visualization and Image Analysis Market, by Region, Through 2027
- Table 11: Global Digital Pathology Information Systems Market, by Region, Through 2027
- Table 12: Global Digital Pathology Storage Platform Market, by Region, Through 2027
- Table 13: Global Digital Pathology Communication Platform Market, Through 2027
- Table 14: Global Digital Pathology Communication Platform Market, by Region, Through 2027
- Table 15: Global Telepathology Systems Market, Through 2027
- Table 16: Global Telepathology Systems Market, by Region, Through 2027
- Table 17: Global Static Telepathology Systems Market, by Region, Through 2027
- Table 18: Global Hybrid Telepathology Systems Market, by Region, Through 2027
- Table 19: Global Real-Time Telepathology Systems Market, by Region, Through 2027
- Table 20: Global Digital In Vitro and Other Diagnostic Devices Market, Through 2027
- Table 21: Global Digital In Vitro and Other Diagnostic Devices Market, by Region, Through 2027
- Table 22: Global Automated Hematology Analyzer and Blood Cell Counter Market, by Region, Through 2027
- Table 23: Global Digital Chromosome Analyzers Market, by Region, Through 2027
- Table 24: Global Fluorescence In Situ Hybridization Enumeration Systems Market, by Region, Through 2027

- Table 25: Global Digital Urine Sediment Analyzers Market, by Region, Through 2027
- Table 26: Global Immunohistochemistry Image Analysis Applications Market, by Region, Through 2027
- Table 27: Global Digital Cytopathology Market, by Region, Through 2027
- Table 28: Global Digital Polymerase Chain Reaction Market, by Region, Through 2027
- Table 29: Global Signet Cell Detection Market, by Region, Through 2027
- Table 30: Global Digital Holographic Microscopy Market, by Region, Through 2027
- Table 31: Global Digital Pathology Market, by Type, Through 2027
- Table 32: Global Digital Anatomic Pathology Market, by Region, Through 2027
- Table 33: Global Digital Genetic Pathology Market, by Region, Through 2027
- Table 34: Global Digital Hematology and Clinical Pathology Market, by Region, Through 2027
- Table 35: Global Digital Immunopathology Market, by Region, Through 2027
- Table 36: Global Digital Chemical Pathology Market, by Region, Through 2027
- Table 37: Global Digital Forensic Pathology Market, by Region, Through 2027
- Table 38: Global Digital Microbiology Market, by Region, Through 2027
- Table 39: Global Digital Pathology Market, by Application, Through 2027
- Table 40: Global Digital Pathology Disease Diagnosis Market, by Region, Through 2027
- Table 41: Global Digital Pathology Drug Discovery and Drug Development Market, by Region, Through 2027
- Table 42: R&D Expenditures in the Global Pharmaceutical Industry, by Top 19 Companies, 2021
- Table 43: Global Digital Pathology Research and Development Market, by Region, Through 2027
- Table 44: Global Digital Pathology Market, by End User, Through 2027
- Table 45: Global Digital Pathology Market in Biotech and Pharmaceutical Companies, by Region, Through 2027
- Table 46: Global Digital Pathology Market in Hospitals and Diagnostic Centers, by Region, Through 2027
- Table 47: Global Digital Pathology Market in Academic Centers and Other End-Users, by Region, Through 2027
- Table 48: North American Digital Pathology Market, by System, Through 2027
- Table 49: European Digital Pathology Market, by System, Through 2027
- Table 50: Asia-Pacific Digital Pathology Market, by System, Through 2027
- Table 51: Rest of the World Digital Pathology Market, by System, Through 2027
- Table 52: New Product Launches in the Digital Pathology Market, 2020–2022
- Table 53: Other Key Strategies in the Digital Pathology Market, 2020–2022
- Table 54: Patents Published on Digital Pathology, 2020
- Table 55: Patents Published on Digital Pathology, 2021

Table 56: Patents Published on Digital Pathology, 2022 (Through September)

Table 57: 3DHISTECH Ltd.: Product Portfolio

Table 58: 3DHISTECH Ltd.: Recent Developments, 2020–2021

Table 59: Apollo Enterprise Imaging Corp.: Product Portfolio

Table 60: Apollo Enterprise Imaging Corp.: Recent Developments, 2017–2020

Table 61: CliniSys: Product Portfolio

Table 62: CliniSys: Recent Developments, 2021–2022

Table 63: Corista: Product Portfolio

Table 64: Corista: Recent Developments, 2019–2022

Table 65: F. Hoffmann-La Roche Ltd.: Product Portfolio

Table 66: F. Hoffmann-La Roche Ltd.: Recent Developments, 2021–2022

Table 67: Huron Technologies International Inc.: Product Portfolio

Table 68: Huron Technologies International Inc.: Recent Developments, 2018–2021

Table 69: Indica Labs Inc.: Product Portfolio

Table 70: Indica Labs Inc.: Recent Developments, 2019–2022

Table 71: Inspirata inc.: Product Portfolio

Table 72: Inspirata Inc.: Recent Developments, 2020–2022

Table 73: Leica Biosystems Inc.: Product Portfolio

Table 74: Leica Biosystems Inc.: Recent Developments, 2019–2022

Table 75: LigoLab Information Systems: Product Portfolio

Table 76: Mikrosan Technologies Inc.: Product Portfolio

Table 77: Mikrosan Technologies Inc.: Recent Developments, 2018–2021

Table 78: Nikon Instruments Inc.: Product Portfolio

Table 79: Nikon Instruments Inc.: Recent Developments, 2019–2021

Table 80: Visiopharm: Product Portfolio

Table 81: Visiopharm: Recent Developments, 2021–2022

Table 82: XIFIN, Inc.: Product Portfolio

Table 83: XIFIN, Inc.: Recent Developments, 2020–2022

List Of Figures

LIST OF FIGURES

- Summary Figure A: Global Digital Pathology Market, by Region, 2020–2027
- Summary Figure B: Growth Rate of North America, Europe and Asia-Pacific Market for Digital Pathology
- Figure 1: Digital Pathology: From Drug Discovery to Clinical Diagnostics
- Figure 2: Telepathology and Digital Pathology Applications
- Figure 3: Comparison between Manual Approach and Digitization Followed in Pathology
- Figure 4: Cost Analysis of Conventional Labs versus Digital Pathology Systems
- Figure 5: U.S. Digital Health Funding and Deal Size, 2012–H1 2022
- Figure 6: EU Regulatory Roadmap, 2017–2025
- Figure 7: Developments in Digital Pathology
- Figure 8: Global Digital Pathology Analytics Market, 2022–2027
- Figure 9: Global Digital Pathology Market Share, by Key Strategies, 2017–Aug., 2022
- Figure 10: Global Share of Patents on Digital Pathology Systems, by Assignee Country, 2020–Aug. 2022
- Figure 11: Ratio of Patients Per Pathologist in Select Countries
- Figure 12: Comparative Study of Regional Market Share, 2021 and 2027
- Figure 13: Global Digital Pathology Market, by Application, 2020–2027
- Figure 14: Prevalence of Cancer Cases Across Regions, 2015–2017
- Figure 15: Estimated Number of Prevalent Cancer Cases (5 Years) in 2020
- Figure 16: Regional Distribution of Companies using AI for Drug Development
- Figure 17: Global Digital Pathology Market, by End User, 2020–2027
- Figure 18: Share of New Product Developments in Digital Pathology Market, by Company, 2020–2022
- Figure 19: U.S. Patents Filed on Digital Pathology Technologies, 2020–2022
- Figure 20: European Patents Filed on Digital Pathology Technologies, 2020–2022
- Figure 21: Japanese Patents Filed on Digital Pathology Technologies, 2020–2022
- Figure 22: Total Patents Published on Digital Pathology Technologies, 2020–2022
- Figure 23: F. Hoffmann-La Roche Ltd.: Annual Revenue, 2019–2021
- Figure 24: F. Hoffmann-La Roche Ltd.: Revenue Share, by Division, 2021
- Figure 25: F. Hoffmann-La Roche Ltd.: Revenue Share, by Region, 2021
- Figure 26: Nikon Instruments Inc.: Annual Revenue, 2019–2021
- Figure 27: Nikon Instruments Inc.: Revenue Share, by Division, 2021
- Figure 28: Nikon Instruments Inc.: Revenue Share, by Geography, 2021

I would like to order

Product name: Digital Pathology: Technologies and Global Markets

Product link: <https://marketpublishers.com/r/D0010BB5F4AEN.html>

Price: US\$ 5,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/D0010BB5F4AEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970