

In Vitro Diagnostics – A Global Market Overview

“The report reviews, analyzes and projects the global market for In Vitro Diagnostics (IVD) for the period 2014-2022. The study analyzes the IVD product types including Reagents & Consumables and Instruments & Systems. IVD technologies analyzed in this comprise Immunoassay, Blood Testing, Clinical Chemistry, Diabetes Testing, Molecular Diagnostics, Cellular Analysis, Pathology and Microbiology.”

Published: August 2017

Report Code: HC007

Pages: 498

Charts: 270

Price: \$4500 Single User License, \$7200 Enterprise License

SUMMARY

The In Vitro Diagnostics (IVD) industry is being positively impacted due to several factors that include rising global and regional trends of aging populations, growth in non-communicable diseases and greater affordability for treatment. Due to an increase in healthcare costs, greater weight is being given to evidence-based medicine with the aim of improving patient outcomes. The need for diagnostic devices in various conditions has been growing due to an aging population, growing epidemic of chronic diseases and (re)emergence of infectious diseases. A larger number of people are now gaining access to IVD due to growth in emerging countries and an impetus towards decentralized healthcare.

Nearly 68% of the global aged population resides in the developing economies and their population is increasing at a faster rate than that of developed regions. In fact, the population of aged individuals in developed economies has been exhibiting a declining trend, as can be seen from a fall of 38% in 2000 to 33% in 2015, which is likely to continue. This implies that the number of older people in the developing regions will grow over the coming decades.

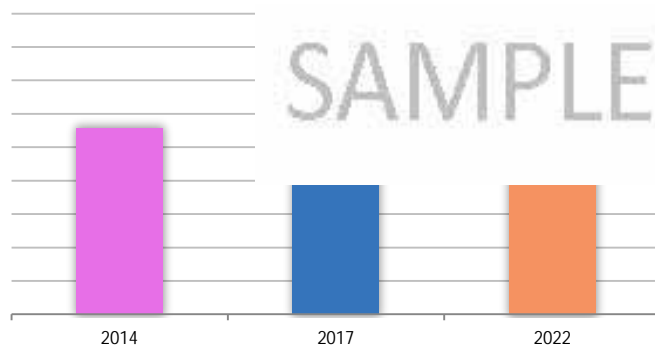
The study analyzes the IVD product types including Reagents & Consumables and Instruments & Systems. This report exclusively analyzes the global IVD technology areas comprising Immunoassay, Blood Testing, Clinical Chemistry, Diabetes Testing, Molecular Diagnostics, Cellular Analysis, Pathology and Microbiology in terms of value in USD for 2014-2022 analysis period in the global markets comprising North America, Europe, Asia-Pacific, South America and Rest of World. The regional markets further analyzed for 16 independent countries across North America – The United States, Canada and Mexico; Europe – (Western Europe and Eastern Europe) Western Europe – Germany, France, Italy, Spain, the United Kingdom, Belgium and

Switzerland; and Eastern Europe – Poland, Czech Republic and Romania; Asia-Pacific – Japan, China and India; South America – Argentina and Brazil.

Global IVD market grew from \$55.8 billion in 2014 to US\$62.6 billion in 2017 and the market is further expected to reach US\$83.03 billion by 2022. Molecular Diagnostics is projected to record the fastest growing IVD technology segment with a CAGR of around 8% during 2017-2022 analysis period and to touch US\$10.5 billion by 2022.

This 498 page global in-vitro diagnostics market report includes 270 charts (includes a data table and graphical representation for each chart), supported with meaningful and easy to understand graphical presentation, of market numbers. The report profiles 13 key global players and 44 major players across North America – 26; Europe – 14 and Asia-Pacific – 4. The study also provides the listing of the companies engaged in IVD industry. The global list of companies covers the address, contact numbers and the website addresses of 335 companies.

Global In-Vitro Diagnostics Market Analysis (2014-2022) in USD Million



SAMPLE COMPANY PROFILE

ABBOTT LABORATORIES, INC. (UNITED STATES)

100 Abbott Park Road
Abbott Park, Illinois 60064-3500
Phone: (224) 667-6100
Website: www.abbott.com

Business Overview

Established in 1888 and headquartered in Abbott Park, Illinois, USA, Abbott Laboratories Inc., (Abbott) is one of the leading global science based company engaged in discovering, manufacturing and selling health care products. Abbott is the market leader in blood screening, immunoassay diagnostics, drug-eluting stents and adult and pediatric nutrition in major global markets. The company operates in 150 plus countries with around 94000 personnel around the world. Abbott's major business segments are: Nutrition, Diagnostics, Vascular Care, Diabetes care, Pharmaceuticals. Abbott's nutrition products portfolio comprises infant, adult, performance nutrition, and therapeutic nutrition products. The diagnostic product portfolio includes in-vitro diagnostic products like medical diagnostic instruments, assays, automation, and informatics solutions catering health care providers and laboratories in diagnosing wide range of infectious diseases, cancer and diabetes. The company's medical devices offer inclusive portfolio of leading products such as drug-eluting stent, bioresorbable vascular scaffold, blood glucose monitoring systems for diagnosing cardio vascular diseases and diabetes management. Abbott's Pharmaceuticals Division offers credible branded generic therapeutics in the field of gastroenterology, women's health, cardiology, metabolic disorders and primary care.

Division Analysis

Nutrition: Abbott nutrition is a global leader in nutrition science. Nutrition segment offers inventive nutritional products, which has set benchmark for science based nutrition, and solutions to augment the health and well being of all ages around the world. Abbott offers credible products for infants, children, adults and sports drinks for performance enhancement, in addition to disease-specific nutrition products. The nutrition products brand offerings are Ensure, Similac, Pediasure, Pedialyte, Elacare and EAS Sports nutrition.

Diagnostics: Abbott diagnostics is a pioneer in in-vitro diagnostics (IVD), which offers a wide spectrum of medical diagnostic instruments, tests, automation, and informatics solutions for health care providers. These comprise immunoassay and clinical chemistry systems to diagnose cancer, cardiac, drugs of abuse, fertility, diabetes, infectious diseases. Abbott is also leader in companion diagnostics, which develops gene based tests for personalized therapies. The diagnostic segment of Abbott is divided into 4 divisions namely: Core Laboratory, Molecular diagnostics, Point of Care, and Informatics.

Vascular Care: Vascular Segment offers an extensive range of therapies for coronary artery disease such as coronary, endovascular, vessel closure, structural heart, and atrial fibrillation - malfunction of the heart's electrical system. The products offerings include wide portfolio of drug-eluting stents, bare metal stents, balloon dilatation catheters, and other minimally invasive devices like guide wires, dilatation catheters and guiding catheters opens blockages in the arteries caused by plaque buildup to help people regain an active life.

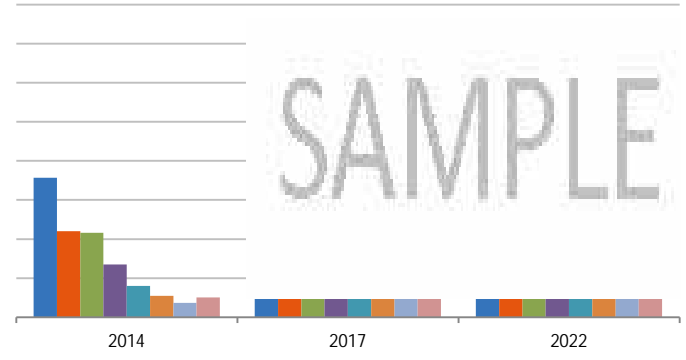
.....more

SAMPLE TABLE/CHART

Glance at 2017 Global In-Vitro Diagnostics Market Share (%) by Geographic Region - North America, Europe, Asia-Pacific, South America and Rest of World



Asia-Pacific In-Vitro Diagnostics Market Analysis (2014-2022) by Technology Area - Clinical Chemistry, Immunoassay, Diabetes Testing, Blood Testing, Molecular Diagnostics, Pathology, Cellular Analysis and Microbiology in USD Million



KEY PLAYERS PROFILED

- Abbott Laboratories, Inc.
- Agilent Technologies, Inc.
- Becton, Dickinson and Company
- BG Medicine, Inc.
- Biomerieux SA
- Bio-Rad Laboratories, Inc.
- Danaher Corporation
- ELITech Group
- ERBA Diagnostics Mannheim GmbH
- Hitachi Chemical Diagnostics
- Hologic Inc.
- Inova Diagnostics
- Instrumentation Laboratory
- Merck Millipore
- Meridian Bioscience, Inc.
- MP Biomedicals LLC
- Ortho Clinical Diagnostics
- Perkinelmer, Inc.
- Quest Diagnostics Inc
- Roche Diagnostics Corporation
- Sekisui Diagnostics LLC
- Siemens Healthineers, Inc.
- Sysmex Corporation
- Thermo Fisher Scientific Inc.
- Wefen Group

.....more

TABLE OF CONTENTS

PART A: GLOBAL MARKET PERSPECTIVE..... 1

1. INTRODUCTION 1

1.1 Product Outline..... 4

1.1.1 In-Vitro Diagnostics Product Types 5

1.1.1.1 Reagents 5

1.1.1.1.1 General Purpose Reagents..... 5

1.1.1.1.2 Analyte Specific Reagents 5

1.1.1.1.3 Biochemical and Chemical Reagents..... 5

1.1.1.1.4 Opting for the Optimal Biochemical and Chemical Reagents for IVD Tests 6

1.1.1.2 Consumables..... 8

1.1.1.3 Instruments & Systems..... 9

1.1.2 In-Vitro Diagnostics Technologies Overview... 12

1.1.2.1 Clinical Chemistry..... 12

1.1.2.1.1 Clinical Chemistry Analyzer/ Biochemistry Analyzer 13

1.1.2.2 Immunoassays 14

1.1.2.2.1 Objective of Immunoassays 15

1.1.2.2.2 Immunoassay Methodologies..... 15

1.1.2.2.3 Immunoassay Analyzer 16

1.1.2.2.3.1 Principles of Immunoassay analyzer operation 16

1.1.2.3 Diabetes Testing 17

1.1.2.3.1 Primary Types of Diabetes 18

1.1.2.3.2 Prediabetes..... 18

1.1.2.3.3 Diagnosis of Diabetes and Pre-Diabetes ... 18

1.1.2.3.3.1 Fasting Plasma Glucose (FPG) Test 19

1.1.2.3.3.2 Oral Glucose Tolerance Test (OGTT) 19

1.1.2.3.3.3 Random Plasma Glucose Test 20

1.1.2.3.3.4 A1C test/ Glycated hemoglobin test 20

1.1.2.3.3.5 Test Numbers representation to check whether a person have diabetes or not..... 20

1.1.2.3.4 Blood Glucose Monitoring Devices 20

1.1.2.4 Blood Testing 22

1.1.2.4.1 Categories of Blood Tests..... 23

1.1.2.4.1.1 Complete Blood Count (CBC) 23

1.1.2.4.1.2 Red Blood Cells 23

1.1.2.4.1.3 White Blood Cells..... 23

1.1.2.4.1.4 Platelets 24

1.1.2.4.1.5 Hemoglobin 24

1.1.2.4.1.6 Hematocrit..... 24

1.1.2.4.1.7 Mean Corpuscular Volume (MCV)..... 24

1.1.2.4.2 Blood Chemistry Tests/Basic Metabolic Panel..... 24

1.1.2.4.3 Blood Enzyme Tests 24

1.1.2.4.4 Blood Tests to Assess Heart Disease Risk.. 25

1.1.2.4.5 Reference Ranges for Blood Tests..... 25

1.1.2.4.6 Analyzers..... 25

1.1.2.5 Molecular Diagnostics..... 26

1.1.2.5.1 Molecular Diagnostics Techniques..... 27

1.1.2.5.1.1 Polymerase Chain Reaction (PCR) and Real-Time PCR..... 27

1.1.2.5.1.2 Cytogenetic Analysis 27

1.1.2.5.1.3 Fluorescent in situ Hybridization (FISH) 28

1.1.2.5.1.4 Spectral Karyotype Imaging 28

1.1.2.5.1.5 DNA Microarrays..... 28

1.1.2.5.1.6 Personalized Medicine 29

1.1.2.5.2 Molecular Diagnostics and Genome Research 29

1.1.2.5.3 Sample Collection and Preparation..... 29

1.1.2.5.4 Amplification and Detection Platforms and Assays 30

1.1.2.5.5 Software Tools 31

1.1.2.5.6 Complete Solutions..... 31

1.1.2.6 Pathology..... 32

1.1.2.6.1 Anatomical Pathology..... 33

1.1.2.6.2 Chemical Pathology 33

1.1.2.6.3 Clinical Pathology..... 34

1.1.2.6.4 Forensic Pathology..... 34

1.1.2.6.5 General Pathology 34

1.1.2.6.6 Genetic Pathology..... 34

1.1.2.6.7 Hematology Pathology..... 35

1.1.2.6.8 Immunopathology 35

1.1.2.7 Cellular Analysis 36

1.1.2.8 Microbiology..... 37

2. IVD REGULATIONS & STANDARDS 39

2.1 International Medical Device Regulators Forum and Global Harmonization Task Force (GHTF) 39

2.1.1 General Classification System for IVD Medical Devices 39

2.2 The United States 40

2.2.1 IVD Classification 40

2.2.2 Clinical Laboratory Improvement Amendments of 1988 (CLIA '88) 40

2.2.3 Premarket Notification 510(k) 40

2.2.4 De Novo Classification for IVD Devices 41

2.2.5 Premarket Approval (PMA) 41

2.2.6 Requirements for IVD Labeling 42

2.2.7 FDA Draft Guidance's Designed to Consolidate Regulatory Oversight for Next-Generation Sequencing Tests 42

2.3 Europe 43

2.3.1 Directive 98/79/EC (IVDD) 43

2.3.2 Essential Requirements for IVD Medical Devices . 43

2.3.3 Requirements that Apply to the Design and Manufacture of the Devices 44

2.3.4 Product Groups..... 44

2.4 China..... 45

2.4.1 Provisions for In-vitro Diagnostic Reagent Registration 45

2.4.2 Registration Procedure for Imported IVD Products 46

2.4.3 IVD Type Testing Process for Imported IVDs..... 46

2.4.4 Clinical Trials..... 46

2.5 Japan..... 47

2.5.1 Classification of IVDs..... 47

2.5.2 Registration Requirements for IVDs..... 47

2.5.3 Pre-market Approval (Shonin) 47

2.5.4 Technical Specifications Required for Approval of Class III IVDs..... 47

2.5.5 Pre-market Certification (Ninsho)..... 48

2.5.6 Pre-market Submission (Todokode)..... 48

2.5.7 Marketing Authorization Holder (Seihan) 48

3. KEY MARKET TRENDS..... 49

3.1 Ageing Population and Burden of Disease Contribute to Growth in Demand for IVD 49

3.2 Clinical Diagnostics Evolve to Prognostics and Predictive..... 52

3.3 Next-Generation Sequencing Revolutionizes Clinical Applications 55

3.3.1 Cancer Diagnostics and Treatment 55

3.3.2 HLA/MHC Complex 55

3.3.3 Neonatal and Prenatal Testing..... 56

3.3.4 Pathogen Detection and Subtyping 56

3.4 Pace of PCR Accelerated with Portable Diagnostic System 57

3.5 Rapid DNA Test Offers Scope for Replacing PCR 58

4. KEY GLOBAL PLAYERS..... 59

Abbott Laboratories, Inc. (United States) 59

Becton, Dickinson and Company (United States) 67

Biomérieux SA (France) 70

Bio-Rad Laboratories, Inc. (United States)..... 72

Danaher Corporation (United States) 75

ELITech Group (France) 83

ERBA Diagnostics Mannheim GmbH (Germany) 89

Hologic Inc. (United States) 93

Ortho Clinical Diagnostics (United States) 95

Roche Diagnostics Corporation (United States) 96

Siemens Healthineers, Inc. (United States) 100

System Corporation (Japan) 102

Wefen Group (Spain) 106

5. KEY BUSINESS & PRODUCT TRENDS..... 108

cobas MRSA/SA test Launched by Roche 108

ClearLab Reagents Cleared by FDA for Specific Leukemia and Lymphoma Detection 108

FDA Approves Hologic's Aptima HSV 1 & 2 Molecular Assay 108

CE Mark Allotted to Thermo Fisher's Innovative Buprenorphine-Detecting Immunoassay 109

Oxford Gene Technology Taken Over by Sysmex Corp . 109

Diagnostic Solutions for Combating Antimicrobial Resistance from BD 109

Abbott and Alere Agree at a Lower-Priced Deal 110

Roche's cINtec Histology Test Granted FDA Approval .. 110

Beckman Coulter's DxC 700 AU Chemistry Analyzer Cleared by FDA 110

Agilent Technologies Unveiled Postnatal Assay for Identifying Genetic Anomalies..... 111

Cepheid's Xpert Xpress Flu and Xpert Xpress Flu/RSV Cleared by FDA 111

TruQuick Rapid Tests from Meridian Bioscience Introduced in Asia-Pacific 111

Accriva Diagnostics Acquired by WerfenLife..... 111

Abbott Acquires St. Jude Medical, Inc 112

PerkinElmer to Acquire Tulip Diagnostics Private Limited in India 112

Merck Launches New Calibration Kit for In-Vitro Diagnostic Use . 112

Sekisui Diagnostics Unveils OSOM® BVBLUE® Rapid Test Service for Bacterial Vaginosis 113

bioMérieux and Banyan Biomarkers Collaborated to Develop Blood-Based Biomarkers for Traumatic Brain Injury 113

QIAGEN Unveils Novel CALR Mutation Assay for MPN Diagnosis 113

FDA CLIA Waiver for Sekisui Diagnostics OSOM® Ultra Flu A&B Test Solution..... 114

BD MAX™ Vaginal Panel Obtains FDA Market Authorization to Identify Common Causes of Vaginal Infections..... 114

Celgene and Agios collaborated with Abbott 114

ARKRAY, Inc. Launched New Blood Glucose Test Meter 115

BD Vacutainer® Barricor™ Tube Receives FDA 510(k) Approval for Innovative Blood Collection and Separation Technology 115

Becton, Dickinson Launches Next Generation Mobile Point-Of-Care Diagnostic Device..... 115

Bioline Unveils New SensiFAST™ Lyo-Ready No-ROX Mix 116

Abbott Launches ALINITY™, Novel Next Generation Diagnostic Systems..... 116

Thermo Fisher Scientific featured expanded Offerings for Clinical Applications at AACC 2016 116

Alere started Diagnostics manufacturing factory in India 117

Roche Unveils Innovative Accu-Chek Guide Blood Glucose Monitoring System 117

Siemens Healthcare Diagnostics Obtains FDA's Emergency Use Authorization for VERSANT® Zika RNA 1.0 Assay ... 117

WHO Prequalification for Alere HIV Combo Test 118

bioMérieux expanded its pathogen identification capability on VITEK® MS 118

ARKRAY, Inc. Unveiled Blood Glucose Meter for Dogs and cats..... 118

Hologic's Aptima® Zika Virus Assay obtained FDA Emergency Use Authorization 119

Ortho Clinical Diagnostics Obtained CE Mark Approval for VITROS® Immunodiagnostic HIV Combo Test 119

Beckman Coulter and Ortho Clinical Diagnostics Collaborated To Offer Infectious Disease Testing Menu to High-Volume Labs..... 119

Bio-Rad Launches Amplichek II Quality Control for the Molecular Diagnostics Testing Market.....	120	6.2.1.7 Cellular Analysis	151	2. EUROPE	255
Quest Diagnostics Sold Focus Diagnostics Molecular and Immunoassay Business to DiaSorin S.p.A.	120	6.2.1.8 Microbiology	153	2.1 European In-Vitro Diagnostics Market Overview by Geographic Region.....	255
Siemens Healthcare and Thermo Fisher Formed Strategic Relationship in Molecular Testing	120	PART B: REGIONAL MARKET PERSPECTIVE .. 155		2.2 European In-Vitro Diagnostics Market Overview by Product Type.....	257
Ortho Clinical Diagnostics Announces Availability of ORTHO™ Sera Extended Phenotype Testing on ORTHO VISION® Analyzer for BioVue® Cassettes	121	REGIONAL MARKET OVERVIEW..... 157		2.3 European In-Vitro Diagnostics Market Overview by Technology Area	259
Thermo Fisher Scientific Inc Acquired Affymetrix, Inc. .	121	1. NORTH AMERICA	157	2.4 Major Market Players	261
Bio-Rad received CE IVD Marking for its QX200 Droplet Digital PCR System.....	121	1.1 North American In-Vitro Diagnostics Market Overview by Geographic Region.....	157	Ascensia Diabetes Care Holdings AG (Switzerland)	261
Quest Diagnostics Enlarge Dako's PD-L1 IHC 28-8 Complementary Test Solution to Constitute Melanoma	122	1.2 North American In-Vitro Diagnostics Market Overview by Product Type.....	159	Biocartis NV (Belgium).....	262
ARKRAY, Inc expanded its operations by constructing integrated manufacturing system in Philippines.....	122	1.2.1 North American In-Vitro Diagnostics Product Type Market Overview by Geographic Region.....	161	Biomerieux SA (France)	264
KHB Shanghai Kehua Bio-Engineering Acquires the Italian Technogenetics	122	1.2.1.1 Reagents & Consumables	161	Elitech Group (France).....	266
Meridian Bioscience Invests in Oasis Diagnostics®	123	1.2.1.2 Instruments & Systems	163	ERBA Diagnostics Mannheim GmbH (Germany)	272
Biocartis Unveils Influenza-Respiratory Virus Panel on the Idylla™ platform	123	1.3 North American In-Vitro Diagnostics Market Overview by Technology Area	165	Eurogentec S.A (Belgium)	274
Focus Diagnostics Simplexa™ Flu A/B & RSV Direct Test Obtains FDA Approval to Include 53 New Virus Strains for the 2015-2016 Flu Season	123	1.3.1 North American In-Vitro Diagnostics Technology Market Overview by Geographic Region	167	GE Healthcare Limited (United Kingdom)	276
Cepheid Obtains FDA Market Approval for Xpert TV, Test for Detecting Trichomonas Vaginalis Infection	124	1.3.1.1 Clinical Chemistry	167	HemoCue AB (Sweden).....	279
QIAGEN's RespiFast RG Improves Diagnosis of Respiratory Infections	124	1.3.1.2 Immunoassay	169	KEM-EN-TEC Diagnostics A/S (Denmark)	281
Roche Acquires GeneWEAVE to bolster Offerings in Microbiology Diagnostics	124	1.3.1.3 Diabetes Testing	171	LEICA Biosystems (Germany)	282
Cepheid and FIND Launches World's Most Portable Molecular Diagnostics System, GeneXpert Omni.....	125	1.3.1.4 Blood Testing	173	Novo Nordisk A/S (Denmark)	284
Roche Unveils point-of-care (POC) Troponin Test Solution to help Diagnose Heart Attack Patients at High Mortality Risk.....	125	1.3.1.5 Molecular Diagnostics.....	175	Qiagen N.V. (Netherlands).....	285
Siemens HIV Combo Assay Obtained FDA Clearance....	125	1.3.1.6 Pathology.....	177	Radiometer Medical Aps (Denmark).....	287
Ortho Clinical Diagnostics Obtains FDA 510(k) Approval for VITROS® Chemistry Products HbA1c Reagent Kit.....	126	1.3.1.7 Cellular Analysis	179	Wefen Group (Spain).....	288
QIAGEN and Biotype Diagnostics Enter into Joint Venture Agreement	126	1.3.1.8 Microbiology.....	181	2.5 European In-Vitro Diagnostics Market Overview by European Sub-Region	289
QIAGEN and Hitachi High-Technologies Enters into Collaboration for Molecular Testing	126	1.4 Major Market Players	183	2.5.1 Western Europe	289
Alere and FIND Collaborated to Develop New Rapid Diagnostic Tests for Simultaneous Detection of Malaria and Sleeping Sickness	127	3M Company (United States).....	183	2.5.1.1 Western European In-Vitro Diagnostics Market Overview by Geographic Region	289
Abbott's Unveiled Pioneering Blood Test solution to aid in detecting Early Pregnancy	127	Abbott Laboratories, Inc. (United States).....	186	2.5.1.2 Western European In-Vitro Diagnostics Market Overview by Product Type	291
Abbott Laboratories Inc and Sekisui Medical join forces	127	Agilent Technologies, Inc. (United States).....	194	2.5.1.2.1 Western European In-Vitro Diagnostics Product Market Overview by Geographic Region	293
ARKRAY Launches Urine Analyzer thinka RT-4010 for Dogs and Cats	128	Alere, Inc. (United States).....	196	2.5.1.2.1.1 Reagents & Consumables	293
ARKRAY unveils new compact line-up of the existing reagent kit CinQ HbA1c	128	Beckman Coulter, Inc.	198	2.5.1.2.1.2 Instruments & Systems.....	295
Cepheid Obtains FDA's Emergency Use Authorization for Xpert Ebola Diagnostic Test	128	Becton, Dickinson And Company (United States).....	201	2.5.1.3 Western European In-Vitro Diagnostics Market Overview by Technology Area.....	297
Biocartis and Microbiome Collaborated to Develop Rapid and Sensitive Sepsis Test Solution	129	BG Medicine, Inc. (United States)	204	2.5.1.3.1 Western European In-Vitro Diagnostics Technology Market Overview by Geographic Region ..	299
bioMérieux and Astute Medical associated to develop and market NephroCheck® Test for VIDAS®, an assay to assess the risk of developing acute kidney injury	129	Bio-Rad Laboratories, Inc. (United States)	205	2.5.1.3.1.1 Clinical Chemistry	299
6. GLOBAL MARKET OVERVIEW..... 130		Danaher Corporation (United States)	208	2.5.1.3.1.2 Immunoassay.....	301
6.1 Global In-Vitro Diagnostics Market Overview by Product Type.....	131	ERBA Diagnostics, Inc. (United States)	211	2.5.1.3.1.3 Diabetes Testing	303
6.1.1 Global In-Vitro Diagnostics Product Market Overview by Geographic Region.....	133	Hitachi Chemical Diagnostics (United States).....	213	2.5.1.3.1.4 Blood Testing	305
6.1.1.1 Reagents & Consumables	133	Hologic Inc. (United States).....	214	2.5.1.3.1.5 Molecular Diagnostics	307
6.1.1.2 Instruments & Systems	135	Inova Diagnostics (United States)	216	2.5.1.3.1.6 Pathology.....	309
6.2 Global In-Vitro Diagnostics Market Overview by Technology Area	137	Instrumentation Laboratory (United States).....	216	2.5.1.3.1.7 Cellular Analysis.....	311
6.2.1 Global In-Vitro Diagnostics Technology Market Overview by Geographic Region	139	Johnson & Johnson (United States).....	217	2.5.1.3.1.8 Microbiology	313
6.2.1.1 Clinical Chemistry.....	139	Medtronic, Inc. (United States).....	218	2.5.1.4 Country-wise Analysis of Western European In-Vitro Diagnostics Market	315
6.2.1.2 Immunoassay.....	141	Merck Millipore (United States).....	220	2.5.1.4.1 Germany	315
6.2.1.3 Diabetes Testing	143	Meridian Bioscience, Inc. (United States).....	223	2.5.1.4.1.1 German In-Vitro Diagnostics Market Overview by Product Type.....	315
6.2.1.4 Blood Testing	145	MP Biomedicals LLC (United States).....	225	2.5.1.4.1.2 German In-Vitro Diagnostics Market Overview by Technology Area	317
6.2.1.5 Molecular Diagnostics.....	147	Ortho Clinical Diagnostics (United States).....	227	2.5.1.4.1.3 German In-Vitro Diagnostics Market Overview by End-user	319
6.2.1.6 Pathology.....	149	PerkinElmer, Inc. (United States).....	228	2.5.1.4.2 France	321
6.2.1.7 Cellular Analysis	151	Quest Diagnostics Inc (United States)	230	2.5.1.4.2.1 French In-Vitro Diagnostics Market Overview by Product Type.....	321
6.2.1.8 Microbiology	153	Roche Diagnostics Corporation (United States)	231	2.5.1.4.2.2 French In-Vitro Diagnostics Market Overview by Technology Area	323
PART B: REGIONAL MARKET PERSPECTIVE .. 155		Sekisui Diagnostics LLC (United States)	234	2.5.1.4.3 Italy.....	325
REGIONAL MARKET OVERVIEW..... 157		Siemens Healthineers, Inc. (United States)	236	2.5.1.4.3.1 Italian In-Vitro Diagnostics Market Overview by Product Type.....	325
1. NORTH AMERICA	157	Thermo Fisher Scientific Inc. (United States)	238	2.5.1.4.3.2 Italian In-Vitro Diagnostics Market Overview by Technology Area	327
1.1 North American In-Vitro Diagnostics Market Overview by Geographic Region.....	157	1.5 Country-wise Analysis of North American In-Vitro Diagnostics Market	241	2.5.1.4.4 Spain	329
1.2 North American In-Vitro Diagnostics Market Overview by Product Type.....	159	1.5.1 The United States.....	241	2.5.1.4.4.1 Spanish In-Vitro Diagnostics Market Overview by Product Type.....	329
1.2.1 North American In-Vitro Diagnostics Product Type Market Overview by Geographic Region.....	161	1.5.1.1 United States In-Vitro Diagnostics Market Overview by Product Type.....	241	2.5.1.4.4.2 Spanish In-Vitro Diagnostics Market Overview by Technology Area	331
1.2.1.1 Reagents & Consumables	161	1.5.1.2 United States In-Vitro Diagnostics Market Overview by Technology Area	243		
1.2.1.2 Instruments & Systems	163	1.5.1.3 United States In vitro Diagnostics Market Overview by End-user	245		
1.3 North American In-Vitro Diagnostics Market Overview by Technology Area	165	1.5.2 Canada.....	247		
1.3.1 North American In-Vitro Diagnostics Technology Market Overview by Geographic Region	167	1.5.2.1 Canada In-Vitro Diagnostics Market Overview by Type	247		
1.3.1.1 Clinical Chemistry	167	1.5.2.2 Canada In-Vitro Diagnostics Market Overview by Technology Area	249		
1.3.1.2 Immunoassay	169	1.5.3 Mexico.....	251		
1.3.1.3 Diabetes Testing	171	1.5.3.1 Mexico In-Vitro Diagnostics Market Overview by Product Type	251		
1.3.1.4 Blood Testing	173	1.5.3.2 Mexico In-Vitro Diagnostics Market Overview by Technology Area	253		
1.3.1.5 Molecular Diagnostics.....	175				
1.3.1.6 Pathology.....	177				
1.3.1.7 Cellular Analysis	179				
1.3.1.8 Microbiology.....	181				
1.4 Major Market Players	183				
3M Company (United States).....	183				
Abbott Laboratories, Inc. (United States).....	186				
Agilent Technologies, Inc. (United States).....	194				
Alere, Inc. (United States).....	196				
Beckman Coulter, Inc.	198				
Becton, Dickinson And Company (United States).....	201				
BG Medicine, Inc. (United States)	204				
Bio-Rad Laboratories, Inc. (United States)	205				
Danaher Corporation (United States)	208				
ERBA Diagnostics, Inc. (United States)	211				
Hitachi Chemical Diagnostics (United States).....	213				
Hologic Inc. (United States).....	214				
Inova Diagnostics (United States)	216				
Instrumentation Laboratory (United States).....	216				
Johnson & Johnson (United States).....	217				
Medtronic, Inc. (United States).....	218				
Merck Millipore (United States).....	220				
Meridian Bioscience, Inc. (United States).....	223				
MP Biomedicals LLC (United States).....	225				
Ortho Clinical Diagnostics (United States).....	227				
PerkinElmer, Inc. (United States).....	228				
Quest Diagnostics Inc (United States)	230				
Roche Diagnostics Corporation (United States)	231				
Sekisui Diagnostics LLC (United States)	234				
Siemens Healthineers, Inc. (United States)	236				
Thermo Fisher Scientific Inc. (United States)	238				

2.5.1.4.5 The United Kingdom	333	2.5.2.4.3.2 Romania In-Vitro Diagnostics Market Overview by Technology Area	385	4. SOUTH AMERICA	441
2.5.1.4.5.1 United Kingdom In-Vitro Diagnostics Market Overview by Product Type	333	2.5.2.4.4 Rest of Eastern Europe	387	4.1 South American In-Vitro Diagnostics Market Overview by Geographic Region	441
2.5.1.4.5.2 United Kingdom In-Vitro Diagnostics Market Overview by Technology Area	335	2.5.2.4.4.1 Rest of Eastern Europe In-Vitro Diagnostics Market Overview by Product Type	387	4.2 South American In-Vitro Diagnostics Market Overview by Product Type.....	443
2.5.1.4.6 Belgium	337	2.5.2.4.4.2 Rest of Eastern Europe In-Vitro Diagnostics Market Overview by Technology Area.....	389	4.2.1 South American In-Vitro Diagnostics Product Market Overview by Geographic Region	445
2.5.1.4.6.1 Belgium In-Vitro Diagnostics Market Overview by Product Type	337	3. ASIA-PACIFIC	391	4.2.1.1 Reagents & Consumables	445
2.5.1.4.6.2 Belgium In-Vitro Diagnostics Market Overview by Technology Area	339	3.1 Asia-Pacific In-Vitro Diagnostics Market Overview by Geographic Region	391	4.2.1.2 Instruments & Systems.....	447
2.5.1.4.7 Switzerland	341	3.2 Asia-Pacific In-Vitro Diagnostics Market Overview by Product Type.....	393	4.3 South American In-Vitro Diagnostics Market Overview by Technology Area	449
2.5.1.4.7.1 Swiss In-Vitro Diagnostics Market Overview by Product Type.....	341	3.2.1 Asia-Pacific In-Vitro Diagnostics Product Market Overview by Geographic Region.....	395	4.3.1 South American In-Vitro Diagnostics Technology Market Overview by Geographic Region	451
2.5.1.4.7.2 Swiss In-Vitro Diagnostics Market Overview by Technology Area	343	3.2.1.1 Reagents & Consumables	395	4.3.1.1 Clinical Chemistry	451
2.5.1.4.8 Rest of Western Europe	345	3.2.1.2 Instruments & Systems.....	397	4.3.1.2 Immunoassay.....	453
2.5.1.4.8.1 Rest of Western Europe In-Vitro Diagnostics Market Overview by Product Type	345	3.2.1.2 Instruments & Systems.....	397	4.3.1.3 Diabetes Testing	455
2.5.1.4.8.2 Rest of Western Europe In-Vitro Diagnostics Market Overview by Technology Area	347	3.3 Asia-Pacific In-Vitro Diagnostics Market Overview by Technology Area	399	4.3.1.4 Blood Testing	457
2.5.2 Eastern Europe	349	3.3.1 Asia-Pacific In-Vitro Diagnostics Technology Market Overview by Geographic Region	401	4.3.1.5 Molecular Diagnostics.....	459
2.5.2.1 Eastern European In-Vitro Diagnostics Market Overview by Geographic Region	349	3.3.1.1 Clinical Chemistry	401	4.3.1.6 Pathology.....	461
2.5.2.2 Eastern European In-Vitro Diagnostics Market Overview by Product Type.....	351	3.3.1.2 Immunoassay.....	403	4.3.1.7 Cellular Analysis.....	463
2.5.2.2.1 Eastern European In-Vitro Diagnostics Product Market Overview by Geographic Region..	353	3.3.1.3 Diabetes Testing	405	4.3.1.8 Microbiology.....	465
2.5.2.2.1.1 Reagents & Consumables	353	3.3.1.4 Blood Testing	407	4.4 Country-wise Analysis of South American In-Vitro Diagnostics Market	467
2.5.2.2.1.2 Instruments & Systems	355	3.3.1.5 Molecular Diagnostics.....	409	4.4.1 Argentina	467
2.5.2.2.3 Eastern European In-Vitro Diagnostics Market Overview by Technology Area	357	3.3.1.6 Pathology	411	4.4.1.1 Argentinean In-Vitro Diagnostics Market Overview by Product Type.....	467
2.5.2.3.1 Eastern European In-Vitro Diagnostics Technology Market Overview by Geographic Region..	359	3.3.1.7 Cellular Analysis	413	4.4.1.2 Argentinean In-Vitro Diagnostics Market Overview by Technology Area	469
2.5.2.3.1.1 Clinical Chemistry.....	359	3.3.1.8 Microbiology.....	415	4.4.2 Brazil	471
2.5.2.3.1.2 Immunoassay.....	361	3.4 Major Market Players	417	4.4.2.1 Brazilian In-Vitro Diagnostics Market Overview by Product Type.....	471
2.5.2.3.1.3 Diabetes Testing	363	Arkray, Inc. (Japan)	417	4.4.2.2 Brazilian In-Vitro Diagnostics Market Overview by Technology Area	473
2.5.2.3.1.4 Blood Testing	365	Shanghai Kehua Bio-Engineering (China)	418	4.4.3 Rest of South America	475
2.5.2.3.1.5 Molecular Diagnostics.....	367	Sysmex Corporation (Japan)	420	4.4.3.1 Rest of South American In-Vitro Diagnostics Market Overview by Product Type	475
2.5.2.3.1.6 Pathology	369	Transasia Bio-Medicals Ltd (India)	424	4.4.3.2 Rest of South American In-Vitro Diagnostics Market Overview by Technology Area.....	477
2.5.2.3.1.7 Cellular Analysis	371	3.5 Country-wise Analysis of Asia-Pacific In-Vitro Diagnostics Market	425	5. REST OF WORLD	479
2.5.2.3.1.8 Microbiology.....	373	3.5.1 Japan	425	5.1 Rest of World In-Vitro Diagnostics Market Overview by Product Type.....	479
2.5.2.4 Country-wise Analysis of Eastern European In-Vitro Diagnostics Market	375	3.5.1.1 Japanese In-Vitro Diagnostics Market Overview by Product Type.....	425	5.2 Rest of World In-Vitro Diagnostics Market Overview by Technology Area	481
2.5.2.4.1 Poland	375	3.5.1.2 Japanese In-Vitro Diagnostics Market Overview by Technology Area	427	PART C: GUIDE TO THE INDUSTRY	483
2.5.2.4.1.1 Polish In-Vitro Diagnostics Market Overview by Product Type.....	375	3.5.2 China	429	1. NORTH AMERICA	483
2.5.2.4.1.2 Polish In-Vitro Diagnostics Market Overview by Technology Area	377	3.5.2.1 Chinese In-Vitro Diagnostics Market Overview by Product Type.....	429	2. EUROPE.....	491
2.5.2.4.2 Czech Republic	379	3.5.2.2 Chinese In-Vitro Diagnostics Market Overview by Technology Area	431	3. ASIA-PACIFIC.....	495
2.5.2.4.2.1 Czech Republic In-Vitro Diagnostics Market Overview by Product Type	379	3.5.3 India	433	4. REST OF WORLD	496
2.5.2.4.2.2 Czech Republic In-Vitro Diagnostics Market Overview by Technology Area	381	3.5.3.1 Indian In-Vitro Diagnostics Market Overview by Product Type.....	433	PART D: ANNEXURE	497
2.5.2.4.3 Romania	383	3.5.3.2 Indian In-Vitro Diagnostics Market Overview by Technology Area	435	1. RESEARCH METHODOLOGY	497
2.5.2.4.3.1 Romania In-Vitro Diagnostics Market Overview by Product Type.....	383	3.5.4 Rest of Asia-Pacific	437	2. FEEDBACK	499
		3.5.4.1 Rest of Asia-Pacific In-Vitro Diagnostics Market Overview by Product Type	437		
		3.5.4.2 Rest of Asia-Pacific In-Vitro Diagnostics Market Overview by Technology Area.....	439		

About Industry Experts

Industry Experts' market research, backed by years of experience and an analytical team dedicated to providing the most optimal business solutions, has been specifically designed to provide a variety of benefits, both current and future. Our leading-edge publications make the life easy for corporate strategists, investors, analysts and researchers, startups, consultants, financial and banking executives, academicians and many more. The company also provides customized research reports to cater the needs of the industry.

Business intelligence provides the critical link between comprehending prevailing market conditions and devising strategies to maximize parameters, such as revenues, profits and return on investment in order to gain market share. The significance of market research can be largely understood through the range of factors that impact businesses. These can comprise market size (current and projected), geographic market reach and demand and supply scenario, to name a few. Our ongoing quest to collect up to date and accurate information by conducting online surveys, personal interviews, taking the opinions of senior level executives will enable us to serve our clients better in every possible aspect.

[More about Industry Experts](#)



INDUSTRY EXPERTS

1-7-19/C, Street No. 8, Habsiguda
Hyderabad – 500007, India
Phone: +91-40-4018-1314
Fax: +91-40-4027-2381
info@industry-experts.com
industry-experts.com