

Emerging In Vitro Diagnostic Technologies and Their Potential Applications

<https://marketpublishers.com/r/229338785C4EN.html>

Date: November 2021

Pages: 0

Price: US\$ 4,500.00 (Single User License)

ID: 229338785C4EN

Abstracts

This new report from VPGMarketResearch.com provides assessments of emerging in vitro diagnostic technologies and their potential applications within the following market segments:

Blood Typing, Grouping, and Screening

Cancer Diagnostics

Clinical Chemistry and Immunodiagnostics

Coagulation Testing

Hematology and Flow Cytometry

Microbiology

Molecular Diagnostics

Technologies analyzed in the report include:

Artificial Intelligence

Autologous Blood Transfusion/Freezing

Automation

Biosensors

Blood Preservation

Chromatography

Chromogenic Substrates

Chromosome Analysis

Diagnostic Imaging

Differential Light Scattering

Dry Chemistry

Flow Cytometry

Gel Microdroplets

Genetically Engineered Blood Components

Immunoassays

Information Technology

Lasers

Liposomes

Microcomputers

Microdrop Technology

Microtitration Plates

Molecular Diagnostics

Monoclonal and Polyclonal Antibodies

Robotics

Synthetic Red Cell Substitutes

Tandem Mass Spec

Two Dimensional Gel Electrophoresis (2-DGE)

Contents

I. INTRODUCTION

II. EXECUTIVE SUMMARY

A. BUSINESS-AS-USUAL SCENARIO

B. ECONOMIC AUSTERITY SCENARIO

C. TECHNOLOGICAL BREAKTHROUGHS SCENARIO

III. CONCLUSIONS AND RECOMMENDATIONS

IV. THE SCENARIOS

A. BUSINESS-AS-USUAL SCENARIO

1. Business Environment

a. Health Care Expenditures

b. Cost-Consciousness

c. Reimbursement

d. Industry Consolidation

e. Managed Care

PPOs

HMOs

f. Hospitals

g. Admissions

h. Length of Stay

i. Industry Diversification

j. Physician Demographics

k. Aging Population

Chronic Illnesses

Disease Incidence

Susceptibility to Iatrogenesis

Multiple Illness Cases

l. Laboratory Regulations

m. The FDA Reform

2. Outlook for the In Vitro Diagnostics Market

a. Government Regulations

b. Centralized Testing

Hospitals

- Commercial Laboratories
- Blood Banks
- Public Health Laboratories
- c. Decentralized Testing
 - Personal Testing
 - Physician Offices/Group Practices
 - Ancillary Hospital Locations
 - ERs
 - ORs
 - ICUs/CCUs
 - Cancer Clinics
 - Ambulatory Care Centers
 - Surgery Centers
 - Nursing Homes
 - Birth Centers
- 3. Strategic Implications
 - a. Testing Patterns
 - Test Utilization
 - Pre-Admission Testing
 - Inpatient Testing
 - Outpatient Testing
- 4. Market Segments
 - a. Chemistry and Immunoassay
 - Introduction
 - Future Situation
 - b. Microbiology and Serology
 - Introduction
 - Future Situation
 - c. Hematology and Flow Cytometry
 - Introduction
 - Future Situation
 - d. Histology and Cytology
 - Introduction
 - Future Situation
 - e. Coagulation
 - Introduction
 - Future Situation
 - f. Urinalysis
 - Introduction

- Future Situation
- g. Blood Banking
 - Introduction
 - Future Situation
- 5. Technologies
 - a. Genomics
 - Introduction
 - Future Situation
 - b. Proteomics
 - Introduction
 - Future Situation
 - c. DNA Probes
 - Introduction
 - Future Situation
 - d. Biochips/Microarrays
 - Introduction
 - Future Situation
 - e. Monoclonal Antibodies
 - Introduction
 - Future Situation
 - f. Solid Phase Chemistry
 - Introduction
 - Future Situation
 - g. Biosensors
 - Introduction
 - Future Situation
 - h. Automation and Robotics
 - Introduction
 - Future Situation
 - i. Computer-Aided Diagnosis
 - Introduction
 - Future Situation
- 6. The New Marketplace
 - a. Purchasing Influences
 - b. Marketing Strategies
 - c. Joint Ventures, Mergers and Licensing
 - d. Import-Export
 - e. Potential Market Entrants
 - f. Who May Not Survive?

B. ECONOMIC AUSTERITY SCENARIO

1. Business Environment
 - a. Socio-Political Climate
 - Cost-Consciousness
 - Government Actions
 - Three-Tier System
 - Health Rationing
 - Voucher System
 - Health IRA
 - b. Hospital Closures
 - c. Hospital Utilization
 - d. Hospital Reorganization
 - e. Physician Regulations
 - f. Wellness Programs
 - g. Corporate Responses
 - h. Academic Research
2. Outlook for the In Vitro Diagnostics Market
 - a. Test Utilization
 - Ordering Practices
 - Documentation
 - Recertification
 - b. Technology Regulations
 - c. New Laboratory Ventures
 - d. Computers
 - e. Industrial Medicine
 - f. Insurance Companies
 - g. Test Volume and Market Size
3. Strategic Implications
 - a. Testing Patterns
 - Pre-Admission Testing
 - Inpatient Testing
 - Outpatient Testing
 - b. Market Segments
 - Chemistry and Immunoassay
 - Microbiology and Serology
 - Hematology and Flow Cytometry
 - Histology and Cytology
 - Coagulation
 - Urinalysis

Blood Banking

c. Technologies

Genomics

Proteomics

DNA Probes

Biochips/Microarrays

Monoclonal Antibodies and Immunoassays

Automation and Robotics

Solid Phase Chemistry

Biosensors

Computer-Aided Diagnosis

d. The New Marketplace

Purchasing Influences

Marketing Strategies

Joint Ventures, Mergers and Licensing

Import-Export

Potential Market Entrants

Who May Not Survive?

C. TECHNOLOGICAL BREAKTHROUGHS SCENARIO

1. Business Environment

a. Political/Regulatory Climate

b. R & D Funding

c. Industry-Government Relationship

d. Industry-University Ventures

e. Technological Environment

f. Testing Decentralization

g. Health Care Expenditures

h. Physician Population

i. Hospital Indicators

2. Outlook for the In Vitro Diagnostics Market

a. Overview

b. Genomics

c. Proteomics

d. DNA and RNA Probes

e. Biochips/Microarrays

f. Monoclonal Antibodies

g. Immunoassays

h. Information Technology

i. Laboratory Automation and Robotics

- j. Solid Phase Chemistry
- k. Biosensors
- l. Holography
- m. Pharmaceuticals
- 3. Strategic Implications
 - a. Testing Patterns
 - Pre-Admission Testing
 - Inpatient Testing
 - Outpatient Testing
 - Test Volume and Market Size
 - b. Market Segments
 - Chemistry and Immunoassay
 - Microbiology and Serology
 - Hematology and Flow Cytometry
 - Histology and Cytology
 - Coagulation
 - Urinalysis
 - Blood Banking
 - c. The New Marketplace
 - Purchasing Influences
 - Marketing Strategies
 - Joint Ventures, Mergers and Licensing
 - Import-Export
 - Potential Market Entrants
 - Who May Not Survive?

V. APPENDICES: METHODOLOGY

- A. The Delphi
- B. Cross-Impact Analysis
- C. Substitution Modeling

List Of Tables

LIST OF TABLES

Executive Summary Table I: Business-As-Usual Scenario, Growth Areas in Clinical Laboratory Testing

Executive Summary Table II: Economic Austerity Scenario, Growth Areas in Clinical Laboratory Testing

Executive Summary Table III: Technological Breakthroughs Scenario, Growth Areas in Clinical Laboratory Testing

Executive Summary Table IV: Market Size by Location

Executive Summary Table V: Market Size by Laboratory Discipline

Table-1: Business-As-Usual Scenario, Health Care Costs by Expenditure Type

Table-2: Business-As-Usual Scenario, HMO and PPO Enrollment

Table-3: Business-As-Usual Scenario, Selected Hospital Statistics

Table-4: Business-As-Usual Scenario, Total Population and Physician Demographics

Table-5: Business-As-Usual Scenario, Test Volume by Location

Table-6: Business-As-Usual Scenario, Test Distribution by Location

Table-7: Business-As-Usual Scenario, Market Size by Location

Table-8: Business-As-Usual Scenario, Typical Pre-Admission Tests

Table-9: Business-As-Usual Scenario, Test Volume by Laboratory Discipline

Table-10: Business-As-Usual Scenario, Market Size by Laboratory Discipline

Table-11: Economic Austerity Scenario, Selected Hospital Statistics

Table-12: Economic Austerity Scenario, HMO and PPO Enrollment

Table-13: Economic Austerity Scenario, Total Population and Physician Demographics

Table-14: Economic Austerity Scenario, Major Categories of Overutilized Tests

Table-15: Economic Austerity Scenario, Test Volume by Location

Table-16: Economic Austerity Scenario, Test Distribution by Location

Table-17: Economic Austerity Scenario, Market Size by Location

Table-18: Economic Austerity Scenario, Timing Requirements for Selected Laboratory Tests

Table-19: Economic Austerity Scenario, Test Volume by Laboratory Discipline

Table-20: Economic Austerity Scenario, Market Size by Laboratory Discipline

Table-21: Technological Breakthroughs Scenario, HMO and PPO Enrollment

Table-22: Technological Breakthroughs Scenario, Total Population and Physician Demographics

Table-23: Technological Breakthroughs Scenario, Selected Hospital Statistics

Table-24: Technological Breakthroughs Scenario, Test Volume by Location

Table-25: Technological Breakthroughs Scenario, Test Distribution by Location

Table-26: Technological Breakthroughs Scenario, Market Size by Location

Table-27: Technological Breakthroughs Scenario, Test Volume by Laboratory Discipline

Table-28: Technological Breakthroughs Scenario, Market Size by Laboratory Discipline

I would like to order

Product name: Emerging In Vitro Diagnostic Technologies and Their Potential Applications

Product link: <https://marketpublishers.com/r/229338785C4EN.html>

Price: US\$ 4,500.00 (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/229338785C4EN.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