



MEDICAL DEVICES



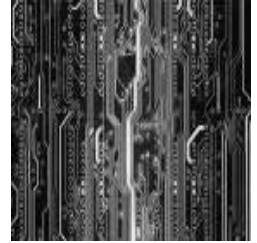
PHARMACEUTICALS



CHEMICALS



FOOD & BEVERAGE



ELECTRONICS

Table of Contents and List of Tables

Copyright VENTURE PLANNING GROUP
This material is confidential for use by our clients only
and may not be reprinted or reproduced.

VPG Publications, Consulting, Clients ***www.VPGcorp.com*** VPG

Market Research Reports ***www.VPGMarketResearch.com***

Partner Reports ***www.LeadingMarketResearch.com***

VENTURE PLANNING GROUP 1271 Avenue of the Americas, Suite 4300 New York, NY 10020
Phone + 1 212 564 2838 ***reports@vpgcorp.com***

Table of Contents

Introduction

Market and Technology Overview

A. Major Therapeutic Drug Monitoring Tests

1. Overview
2. Amikacin
3. Apixaban
4. Argatroban
5. Betrixaban
6. Carbamazepine
7. Cyclosporin
8. Dabigatran
9. Digoxin
10. Edoxaban
11. Everolimus
12. Fluindione
13. Gentamicin
14. Levetiracetam
15. Lithium
16. Methotrexate
17. NAPA/Procainamide
18. Phenobarbital
19. Phenytoin
20. Quinidine
21. Rivaroxaban
22. Sirolimus
23. Tacrolimus
24. Theophylline
25. Tobramycin
26. Topiramate
27. Valproic Acid
28. Vancomycin
29. Warfarin

- B. Instrumentation Review:** Operating characteristics and features of high-, medium-, and low-volume/POC analyzers manufactured by Abaxis, Abbott, Alfa Wassermann, AMS, Awareness Technologies, Beckman Coulter, Binding Site, bioMerieux, Carolina Chemistries, DiaSorin, Grifols, Horiba, Medica, Nova Biomedical, Ortho-Clinical Diagnostics, Polymedco, Randox, Roche, Siemens, Tosoh, Vital Diagnostics and other suppliers.

Table of Contents (Continued)

C. Major In Vitro Diagnostic Technologies And Their Potential Applications

1. Monoclonal and Polyclonal Antibodies
2. Immunoassays
 - a. Technological Principle
 - b. Chemiluminescence
 - c. Enzyme Immunoassays (EIA)
 - ° Overview
 - ° ELISA
 - ° EMIT
 - ° Electrochemical
 - d. Radioimmunoassays (RIA)
 - e. Immunoprecipitation
 - f. Affinity Chromatography
3. Tandem Mass Spec
4. IT and Automation
5. Dry Chemistry
6. Biosensors

France: Test Volume and Sales Forecasts by Assay and Market Segment,
And Major Supplier Market Shares

Germany: Test Volume and Sales Forecasts by Assay and Market Segment,
And Major Supplier Market Shares

Italy: Test Volume and Sales Forecasts by Assay and Market Segment,
And Major Supplier Market Shares

Spain: Test Volume and Sales Forecasts by Assay and Market Segment,
And Major Supplier Market Shares

UK: Test Volume and Sales Forecasts by Assay and Market Segment,
And Major Supplier Market Shares

Table of Contents (Continued)

Alternative Market Penetration Strategies

- A. Internal Development
- B. Collaborative Arrangements
- C. University Contracts
- D. Distribution Strategies for Decentralized Testing Markets
 - 1. Marketing Approaches
 - 2. Product Complexity
 - 3. Customer Preference
 - 4. Established Suppliers
 - 5. Emerging Suppliers
 - 6. Major Types of Distributors
 - 7. Market Segmentation

Potential Market Entry Barriers and Risks

- A. Market Maturity
- B. Cost Containment
- C. Competition
- D. Technological Edge and Limitations
- E. Patent Protection
- F. Regulatory Constraints
- G. Decentralized Testing Market Challenges

Competitive Assessments

- Abbott Laboratories
- Agilent Technologies
- Beckman Coulter/Danaher
- bioMerieux
- Bio-Rad
- DiaSorin
- Eiken Chemical
- Fujirebio
- Grifols
- Instrumentation Laboratory/Werfen
- Kyowa Medex

Table of Contents (Continued)

- Ortho-Clinical Diagnostics
- PerkinElmer
- Quest Diagnostics
- Roche
- Siemens Healthineers
- Sysmex
- Thermo Fisher
- Tosoh
- Wako

List of Tables

Major Companies Developing or Marketing
TDM Tests

Major Companies Developing or Marketing
Digoxin Tests

Major Companies Developing or Marketing
Lithium Tests

Major Companies Developing or Marketing
Phenytoin Tests

Major Companies Developing or Marketing
Theophylline Tests

Major Companies Developing or Marketing
Valproic Tests

Major Companies Developing or Marketing
Biosensors for Genetic Disease Testing

France, Laboratories Performing TDM
Tests By Market Segment

France, Hospital Laboratories Performing
TDM Tests By Bed Size

France, Commercial/Private Laboratories
Performing TDM Tests By Annual Test Volume

France, TDM Test Volume Forecast By Market Segment

France, Hospital Laboratories, TDM
Test Volume Forecast by Assay

France, Commercial/Private Laboratories,
TDM Test Volume Forecast by Assay

France, TDM Reagent Market Forecast
By Market Segment

List of Tables (continued)

France, Hospital Laboratories, TDM
Diagnostics Market Forecast by Assay

France, Commercial/Private Laboratories,
TDM Diagnostics Market Forecast by Assay

France, Major Suppliers of Immunodiagnostic Products,
Estimated Market Shares

Germany, Laboratories Performing TDM
Tests By Market Segment

Germany, Hospital Laboratories Performing
TDM Tests By Bed Size

Germany, Commercial/Private Laboratories
Performing TDM Tests By Annual Test Volume

Germany, TDM Test Volume Forecast By Market
Segment

Germany, Hospital Laboratories, TDM
Test Volume Forecast by Assay

Germany, Commercial/Private Laboratories,
TDM Test Volume Forecast by Assay

Germany, Physician Offices/Group
Practices, TDM Test Volume Forecast by Assay

Germany, TDM Reagent Market Forecast
By Market Segment

Germany, Hospital Laboratories, TDM
Reagent Market Forecast by Assay

Germany, Commercial/Private Laboratories,
TDM Reagent Market Forecast by Assay

Germany, Physician Offices/Group
Practices, TDM Reagent Market Forecast by Assay

List of Tables (continued)

Germany, Major Suppliers of Immunodiagnostic Products,
Estimated Market Shares

Italy, Laboratories Performing TDM
Tests By Market Segment

Italy, Hospital Laboratories Performing
TDM Tests By Bed Size

Italy, Commercial/Private Laboratories
Performing TDM Tests By Annual Test Volume

Italy, TDM Test Volume Forecast
By Market Segment

Italy, Hospital Laboratories, TDM
Test Volume Forecast by Assay

Italy, Commercial/Private Laboratories,
TDM Test Volume Forecast by Assay

Italy, TDM Reagent Market Forecast
By Market Segment

Italy, Hospital Laboratories, TDM
Reagent Market Forecast by Assay

Italy, Commercial/Private Laboratories,
TDM Reagent Market Forecast by Assay

Italy, Major Suppliers of Immunodiagnostic Products,
Estimated Market Shares

Spain, Laboratories Performing TDM
Tests By Market Segment

Spain, Hospital Laboratories Performing
TDM Tests By Bed Size

Spain, Commercial/Private Laboratories
Performing TDM Tests By Annual Test Volume

List of Tables (continued)

Spain, TDM Test Volume Forecast
By Market Segment

Spain, Hospital Laboratories, TDM
Test Volume Forecast by Assay

Spain, Commercial/Private Laboratories,
TDM Test Volume Forecast by Assay

Spain, Ambulatory Care Centers,
TDM Test Volume Forecast by Assay

Spain, All Market Segments, TDM
Reagent Market Forecast by Assay

Spain, Hospital Laboratories, TDM
Reagent Market Forecast by Assay

Spain, Commercial/Private Laboratories,
TDM Reagent Market Forecast by Assay

Spain, Ambulatory Care Centers,
TDM Reagent Market Forecast by Assay

Spain, Major Suppliers of Immunodiagnostic Products,
Estimated Market Shares

U.K., Laboratories Performing TDM
Tests By Market Segment

U.K., Hospital Laboratories Performing
TDM Tests By Bed Size

U.K., Commercial/Private Laboratories
Performing TDM Tests By Annual Test Volume

U.K., TDM Test Volume Forecast
By Market Segment

List of Tables (continued)

U.K., Hospital Laboratories, TDM
Test Volume Forecast by Assay

U.K., Commercial/Private Laboratories,
TDM Test Volume Forecast by Assay

U.K., TDM Reagent Market Forecast
By Market Segment

U.K., Hospital Laboratories, TDM
Reagent Market Forecast by Assay

U.K., Commercial/Private Laboratories,
TDM Reagent Market Forecast by Assay

U.K., Major Suppliers of Immunodiagnostic Products,
Estimated Market Shares