

# **Alpha-Fetoprotein (AFP) 2017-2021: US, Europe, Japan--Opportunities for Suppliers, Market Segment Forecasts and Shares, Competitive Strategies, Emerging Technologies, Instrumentation Review**

<https://marketpublishers.com/r/A8DF5655A83EN.html>

Date: December 2016

Pages: 248

Price: US\$ 3,480.00 (Single User License)

ID: A8DF5655A83EN

## **Abstracts**

The cancer diagnostics market is on the verge of explosion, as the researchers approach major technological breakthroughs in tumor diagnosis and therapy, discover new specific antigens, and unlock the mystery of the genetic basis of the disease. During the next ten years, the worldwide cancer testing market is promising to be an exciting, dynamic and rapidly expanding field. Anticipated technological breakthroughs will create numerous opportunities for determining genetic predisposition, detecting specific tumors, and monitoring biological response to cancer therapy. The rise in geriatric population will further compound the growing demand for malignancy assays and the rapid market expansion worldwide.

This report presents a detailed analysis of the Alpha-fetoprotein testing market in the US, Europe (France, Germany, Italy, Spain, UK) and Japan, including clinical significance and current laboratory practice; 5- and 10-year test volume and sales forecasts by country and market segment; as well as sales and market shares for major suppliers.

The report also examines market applications of DNA probes, biochips/microarrays, monoclonal antibodies, immunoassays, IT, chromosome analysis, and other technologies; reviews features and operating characteristics of automated analyzers; profiles leading suppliers and recent market entrants developing innovative technologies and products; and identifies alternative market penetration strategies and entry barriers/risks.

Contains 248 pages and 14 tables

## Contents

### I. INTRODUCTION

### II. AFP WORLDWIDE MARKET AND TECHNOLOGY OVERVIEW

#### A. Alpha-Fetoprotein (AFP): Clinical Significance and Laboratory Practices

#### B. Instrumentation Review And Market Needs

1. Abbott AxSYM
2. Abbott Architect c4000
3. Abbott Architect i2000 Series
4. Abbott Architect ci8200 System
5. Beckman Coulter UniCel Series
6. Beckman Coulter Access
7. Binding Site ESP600
8. bioMerieux Mini Vidas
9. Carolina Chemistries BioLis 24i
10. DiaSorin Liaison
11. Horiba ABX Pentra
12. Inverness DS2
13. J&J Vitros ECi/ECiQ
14. J&J Vitros 3600
15. J&J Vitros 5600
16. Olympus AU5400
17. Olympus AU3000i
18. Olympus AU2700
19. Roche Modular Analytics
20. Roche Cobas Integra
21. Roche Cobas Integra 400 Plus
22. Roche Elecsys
23. Roche Cobas c311
24. Siemens ADVIA Centaur
25. Siemens Dimension
26. Siemens Dimension RxL Max
27. Siemens Dimension Vista
28. Siemens Immulite
29. Siemens Stratus
30. Tosoh AIA-Series
31. Vital Diagnostics ATAC 8000

### 32. Vital Diagnostics Envoy

## C. Current and Emerging Technologies

### 1. Monoclonal and Polyclonal Antibodies

### 2. Immunoassays

#### a. Technological Principle

#### b. Radioimmunoassay (RIA)

#### c. Enzyme Immunoassays (EIA)

Overview

ELISA

Immunofiltration

Particle-Membrane Capture Immunoassay

Enzyme Amplification

#### d. Fluorescent Immunoassays

#### e. Luminescence

Chemiluminescence

Bioluminescence

#### f. Latex Agglutination

#### g. Immunoprecipitation

#### h. Affinity Chromatographu

#### e. Liposome Flow-Injection Immunoassay

### 3. Molecular Diagnostics

#### a. Technology Overview

#### b. Amplification Methods

PCR

DAP-PCR

Immuno-PCR

QC-PCR

CAR

DNA

HPA

LCR

NASBA

QBR

SDA

3 SR, and others

#### 4. Chromosome Analysis

##### a. Chronic Myelogenous Leukemia (CML)

##### b. Acute Myeloid Leukemia (AML)

##### c. Acute Lymphoblastic Leukemia (ALL)

- d. Malignant Lymphomas
    - Lymphoid Malignancies
  - e. Chronic Lymphocytic Leukemia (CLL)
  - f. Solid Cancers
  - g. Chromosomal Translocation and Oncogenes
- 5. Artificial Intelligence
  - 6. Flow Cytometry
  - 7. Two Dimensional Gel Electrophoresis (2-DGE)
  - 8. Biosensors
  - 9. Competing/Complementing Technologies
    - a. CT
    - b. MRI
    - c. NMR
    - d. PET
    - e. Photonics Spectroscopy
- E. Personal Testing

### **III. FRANCE: MARKET SIZE, GROWTH AND MAJOR SUPPLIERS' SALES AND MARKET SHARES**

### **IV. GERMANY: MARKET SIZE, GROWTH AND MAJOR SUPPLIERS' SALES AND MARKET SHARES**

### **V. ITALY: MARKET SIZE, GROWTH AND MAJOR SUPPLIERS' SALES AND MARKET SHARES**

### **VI. JAPAN: MARKET SIZE, GROWTH AND MAJOR SUPPLIERS' SALES AND MARKET SHARES**

### **VII. SPAIN: MARKET SIZE, GROWTH AND MAJOR SUPPLIERS' SALES AND MARKET SHARES**

### **VIII. U.K.: TEST VOLUME AND DIAGNOSTICS SALES FORECAST BY MARKET SEGMENT**

### **IX. U.S.A.: MARKET SIZE, GROWTH AND MAJOR SUPPLIERS' SALES AND MARKET SHARES**

### **X. DESIGN CRITERIA FOR DECENTRALIZED TESTING PRODUCTS**

## **XI. ALTERNATIVE MARKET PENETRATION STRATEGIES**

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

## **XII. 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

## **XIII. COMPETITIVE PROFILES**

Abbott  
AdnaGen  
Applied Gene Technologies  
Arca Biopharma  
Beckman Coulter/Danaher  
Becton Dickinson  
Biomedical Diagnostics  
bioMerieux  
Bio-Rad  
Cepheid  
Correlogic Systems  
Decode Genetics

Diadexus  
Diagnocure  
Diasorin  
Eiken Chemical  
Elitech Group  
Enterix  
Enzo Biochem  
Epigenomics  
Exact Sciences  
Fujirebio  
Hologic/Gen-Probe  
Guided Therapeutics  
Kreatech/Leica  
Kyowa Medex  
Mackay Life Sciences  
Myriad Genetics  
OncoLab  
Ortho-Clinical Diagnostics  
Panacea Pharmaceuticals  
Polartechnics  
Polymedco  
PreMD  
Qiagen  
Quest Diagnostics  
Radiant Pharmaceuticals  
Roche  
Scienion  
Sequenom  
Siemens Healthcare  
Takara Bio  
Targeted Diagnostics & Therapeutics  
Thermo Fisher  
Tosoh  
Veridex  
Wako Pure Chemicals  
Wallac/PE  
Zila

## List Of Tables

### LIST OF TABLES

Major Companies Developing or Marketing AFP Tests  
France AFP Test Volume and Diagnostics Sales by Market Segment  
France AFP Testing Market by Major Supplier  
Germany AFP Test Volume and Diagnostics Sales by Market Segment  
Germany AFP Testing Market by Major Supplier  
Italy AFP Test Volume and Diagnostics Sales by Market Segment  
Italy AFP Testing Market by Major Supplier  
Japan AFP Test Volume and Diagnostics Sales by Market Segment  
Japan AFP Testing Market by Major Supplier  
Spain AFP Test Volume and Diagnostics Sales by Market Segment  
Spain AFP Testing Market by Major Supplier  
U.K. AFP Test Volume and Diagnostics Sales by Market Segment  
U.S.A. AFP Test Volume and Diagnostics Sales by Market Segment  
U.S.A. AFP Testing Market by Major Supplier



## I would like to order

Product name: Alpha-Fetoprotein (AFP) 2017-2021: US, Europe, Japan--Opportunities for Suppliers, Market Segment Forecasts and Shares, Competitive Strategies, Emerging Technologies, Instrumentation Review

Product link: <https://marketpublishers.com/r/A8DF5655A83EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A8DF5655A83EN.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