

# **2024 Ireland Tumor Markers Testing Market--High-Growth Opportunities for Cancer Diagnostic Tests and Analyzers--2023 Supplier Shares and Strategies, 2023-2028 Volume and Sales Segment Forecasts for Major Tumor Markers, Latest Technologies and Instrumentation Pipeline, Emerging Opportunities for Suppliers**

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## **Abstracts**

This new report from LeadingMarketResearch.com provides a strategic analysis of the major business opportunities emerging in the cancer diagnostics market during the next five years. The report is available by section, and can be customized to specific information needs and budget. The report examines emerging trends in the cancer diagnostics market; reviews current and emerging tests; analyzes potential applications of innovative technologies; forecasts volume and sales for major cancer diagnostics tests; profiles leading market players and potential entrants; and suggests alternative market expansion strategies for suppliers.

### **Rationale**

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 five years, the cancer diagnostics 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.

## Business Opportunities and Strategic Recommendations

Specific new product development opportunities with potentially significant market appeal during the next five years.

Design criteria for new products.

Alternative market penetration strategies.

Potential market entry barriers and risks.

Cancer Diagnostic Tests Analyzed in the Report--over 200 current and emerging assays, including Biochemical Markers, Oncogenes, Growth Factors, Hormones, Colony Stimulating Factors, Lymphokines and Immunohistochemical Stains, such as:

ACTH, AFP, Beta-2 Microglobulin, CA 15-3/27.29, CA 19-9, CA 125, Calcitonin, Cathepsin, CEA, Chromogranin, Colon-Specific Antigen, Cytokeratins, Estrogen Receptor, Ferritin, Gastrin, HCG, Insulin, Interferons, Interleukins, Lymphocyte Subtyping, Neuron-Specific Enolase, Nucleolar, Occult Blood, Oncogenes, Pancreatic Oncofetal Antigen, Pap Smear, Parathyroid Hormone, Progesterone Receptor, Prostatic Acid Phosphatase, Prostatic Specific Antigen, S-100 Protein, Serotonin, Sialic Acid, Squamous Cell Carcinoma Ag, TDT, Thymidine Kinase, Thyroglobulin, Tissue Polypeptide Antigen, and others.

## Instrumentation Review

Analysis of major immunoassay analyzers used for cancer diagnostic testing, including their operating characteristics, features and selling prices.

## Technology Review

Assessment of monoclonal antibodies, immunoassays, DNA probes, biochips/microarrays, chromosome analysis, IT, artificial intelligence, flow cytometry, biosensors, and other technologies and their potential applications for cancer diagnostic testing.

Review of competing/complementing technologies, including CT, MRI, NMR, PET and photonics spectroscopy.

Extensive listings of companies, universities and research centers developing new cancer diagnostic tests and detection technologies.

## Competitive Assessments

Strategic assessments of major suppliers and start-up firms developing innovative technologies and products, including their sales, product portfolios, marketing tactics, collaborative arrangements, and new products in R&D. Partial Table of Contents

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- VI. Potential Market Entry Barriers and Risks
- VII. Major Current and Emerging Cancer Diagnostic Tests

### **1. INTRODUCTION**

### **2. CANCER DIAGNOSTIC CLASSIFICATION**

### **3. ACTH**

### **4. ALPHA-FETOPROTEIN (AFP)**

### **5. BETA-2 MICROGLOBULIN**

### **6. CA 15-3/27.29**

### **7. CA 19-9**

### **8. CA-125**

### **9. CALCITONIN**

### **10. CARCINOEMBRIONIC ANTIGEN (CEA)**

### **11. ESTROGEN AND PROGESTERONE RECEPTORS**

### **12. FERRITIN**

### **13. GASTRIN**

### **14. HUMAN CHORIONIC GONADOTROPIN (HCG)**

**15. INSULIN**

**16. NSE**

**17. OCCULT BLOOD**

**18. PAP SMEAR/HPV**

**19. PROSTATIC ACID PHOSPHATASE (PAP)**

**20. PROSTATE-SPECIFIC ANTIGEN (PSA)**

**21. SQUAMOUS CELL CARCINOMA ANTIGEN (SCC)**

**22. T AND B LYMPHOCYTES**

**23. TDT**

**24. THYROGLOBULIN**

**25. TISSUE POLYPEPTIDE ANTIGEN (TPA)**

**26. BIOCHEMICAL CANCER DIAGNOSTICS**

**27. ONCOGENES**

Abl/abl-bcr

AIB1

BCL-2

BRCA1

CD44

C-fos

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C-myb

C-myc

CYP-17

Erb-B

HPC1

N-myc

P40  
P51  
P53  
PIK3CA  
PTI-1  
Ras  
Reg  
Sis  
Src and others

## **28. POLYPEPTIDE GROWTH FACTORS**

Basic Fibroblast Growth Factor  
Beta-TGF  
Cachectin (TNT)  
Calmodulin  
ECFR  
Nerve Growth Factor (NGF)  
Epidermal Growth Factor (EGF)  
Ornithine Decarboxylase  
Transferrin  
Transforming Growth Factor-Alpha

## **29. ECTOPIC HORMONES**

## **30. COLONY STIMULATING FACTORS**

## **31. LYMPHOKINES**

Alpha-Interferon  
B Cell Growth Factors  
B Cell Growth Factor (BCGF)  
Gamma-Interferon  
Interleukin-1 (IL-1)  
Macrophage Activating Factor

## **32. IMMUNOHISTOCHEMICAL STAINS**

## **33. EMERGING CANCER DIAGNOSTICS**

N-Acetylglucosamine  
Actin  
Alpha-Actin  
Antineuronal Antibodies

**7B2**

B72.3  
Bax

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