

# **2024 U.K. Breast Cancer Diagnostics Market--CEA, CA 15-3, CA 27.29,CA 125, Estrogen Receptor, HER2, Polypeptide-Specific Antigen, Progesterone Receptor--Country Database and Analysis--2023 Supplier Shares and Strategies, 2023-2028 Volume and Sales Segment Forecasts, Emerging Technologies, Latest Instrumentation, Growth Opportunities**

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## **Abstracts**

This new report from LeadingMarketResearch.com is available by market segment, section, individual marker, and can be customized to specific information needs and budget.

This report is designed to assist diagnostics industry executives, as well as companies planning to diversify into the dynamic and rapidly expanding breast cancer diagnostic testing market, in evaluating emerging opportunities and developing effective business strategies during the next five years.

The report provides granular market segmentation analysis and forecasts for major breast cancer markers; profiles leading suppliers and recent market entrants with innovative technologies and products; reviews current assays and instrumentation; evaluates emerging technologies; and offers specific opportunities and growth strategies for suppliers.

Rationale

The breast 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 worldwide breast 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 worldwide.

## Country Analyses

## 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.

## Supplier Shares, Sales and Volume Forecasts

Sales and market shares of major suppliers

Five-year test volume and sales forecasts by assays

## Instrumentation Review

Analysis of major analyzers used for breast cancer testing

## Technology Assessment

Assessment of latest technologies and their potential applications for breast

cancer diagnostic testing

Review of competing/complementing technologies

Companies, universities and research centers developing new breast cancer diagnostic tests and detection technologies

## Competitive Strategies

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

The companies analyzed in the report include:

Abbott, Affymetrix, Beckman Coulter/Danaher, Becton Dickinson, bioMerieux, Bio-Rad, DiaSorin, Eiken Chemical, Elitech Group, Enzo Biochem, Fujirebio, Fujifilm Wako, Grifols, Hologic, Leica Biosystems, PerkinElmer, Qiagen, QuidelOrtho, Roche, Siemens Healthineers, Takara Bio, Thermo Fisher, and others.

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### **1. BREAST CANCER**

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### **3. COLON AND RECTUM CANCER**

### **4. PROSTATE CANCER**

### **5. STOMACH CANCER**

## **6. LEUKEMIA**

## **7. LYMPHOMA**

## **8. ORAL CANCER**

## **9. SKIN CANCER**

## **10. UTERINE CANCER**

## **11. OVARIAN CANCER**

## **12. BLADDER CANCER**

## **B. Major Current and Emerging Cancer Diagnostic Tests**

### **1. INTRODUCTION**

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### **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 TUMOR MARKERS****27. ONCOGENES**

- Abl/abl-bcr
- AIB1
- BCL-2
- BRCA1
- CD44
- C-fos
- 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 TUMOR MARKERS

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- Actin
- Alpha-Actin
- Antineuronal Antibodies
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- B72.3
- Bax
- BCD-F9
- BLCA-4
- Blood Group Antigens A,B,H
- CA
- CA 72-4/TAG-72
- CA
- CA-242
- CA-549
- CAM
- CAR-3
- Cathepsin-D
- Chromogranin A and B
- Cluster 1 Antigen
- Cluster-5/5A Antigen
- CTA
- CU18
- DR-70
- DU-PAN-2
- Endometrial Bleeding Associated Factor
- Endostatin
- Epithelial Membrane Antigen
- Feulgen Hydrolysis
- Fibronectin
- FSH
- (1->3)-L-fucosyltransferase
- Gastrin-Releasing Peptide (GRP)
- GDCFP-15
- Glucagon
- Glycoamines

- H23
- Her-2
- Human Carcinoma Antigen
- HPA
- HSP27
- Intermediate Filaments
- Cytokeratins/CK18/Cyfra 21-1
- Desmin
- Gliofibrillary Acid Protein
- Neurofilaments
- Vimentin
- KA
- Kinases
- KP16D3
- LAI
- Leukocyte Common Antigen
- Lewis Antigens
- Lysophosphatidic Acid (LPA)
- Ma 695/Ma
- MABDF3
- MAG
- ME1
- Minactivin
- MN/CA9
- MSA
- Mucin Cancer Antigen (MCA)
- Multiple Tumor Suppressor
- Myosin
- NEA-130
- NMP22
- OA-519
- Opioid Peptides
- P-glycoprotein
- Pancreatic Oncofetal Antigen (POA)
- Placental Lactogen
- PR92
- Proliferative Index, Ki-67
- Px
- RB Inactivation/Deletion

- Ret
- SCCL
- Selectin
- Sialic Acid
- Sialyl SSEA-1/SLX
- SN10
- Somatostatin
- TA-90
- TABA
- Tachykinin
- TAG
- TPS
- Troponin
- Tubulin
- VCAM
- VEGF
- Villen and others

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