

# Liquid Biopsy for Cancer Diagnostics – Competitive Landscape and Pipeline Analysis, 2022

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## Abstracts

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DelveInsight's, "Liquid Biopsy for Cancer Diagnostics – Competitive Landscape and Pipeline Analysis, 2022," report provides an understanding of the current competition, pipeline products, and changing market dynamics of the Liquid Biopsy for Cancer Diagnostics market in the 7 major pharmaceutical markets. The report also gives a brief competitive analysis of both the current and emerging products, to help understand the competition in the market.

Liquid Biopsy for Cancer Diagnostics Understanding

Liquid Biopsy: Overview

Liquid biopsy is a revolutionary technique that consists of the detection and isolation of circulating tumor cells (CTCs), circulating tumor DNA (ctDNA) and exosomes, as a source of genomic and proteomic information in patients with cancer. The major advantages of liquid biopsy in cancer diagnosis is that the technique is minimally-invasive, painless, does not have risk of complications, and gives faster results as compared to tumor biopsies. Some disadvantages and limitations of liquid biopsy include its lower accuracy and sensitivity as compared to tumor biopsies, and a lack of standardized protocols for isolation of components from the blood for mutation analysis.

Why use Liquid Biopsy instead of Tissue Biopsy?

Minimal invasiveness

No pain

No risk of complications

More compatibility with Longitudinal monitoring

## Key Players

Guardant Health

Roche

Neo Genomics

Qiagen

ArcherDX

Bio-Techne

Resolution Bioscience

Personal Genome Diagnostics

Laboratory for Advanced Medicine (LAM)

Lucence Diagnostics

Foundation Medicine Inc

Biocept

Sysmex Ionostics Inc

Veridex LLC (Janssen Diagnostics)

Biodesix

Pathway Genomics

Exact Sciences

Angle Plc

GRAIL Inc.

NuProbe

OncoCell MDx Inc

Merck

AmoyDx

## Liquid Biopsy: Competitive Assessment

This segment of the report provides a brief competitive analysis of both the current and emerging products, to help understand the competition in the market. It has been segregated based on following parameters that define the scope of the report, such as:

### Analysis by Market Status

DelveInsight's report covers around approx. 20 major products segregated under marketed and emerging

Marketed

Emerging

### Analysis by Number of Industry Collaborations

DelveInsight's Liquid Biopsy for cancer diagnostics report provides a complete analysis of all the major collaborations done by the key players for the development of the liquid biopsy test devices

Snapshot of some key collaborations in the liquid Biopsy Market

Guardant360 Cdx Assay (Guardant Health): 3 collaborations

ArcherMET (ArcherDx): 2 collaborations

Invisionfirst (Inviata): 1 collaboration

Further collaboration details are provided in the report.....

Analysis by Turnaround Time

Products have been categorized under various turnaround time such as:

Less than 2 days

Less than 10 days

Less than 5 days

More than 10 days

Analysis by Indication

Products have been categorized under different indications under the Cancer therapeutics such as:

NSCLC

Breast Cancer

Prostate Cancer

All Solid Tumors

Liver Cancer

Blood Cancer

NTRK fusion Cancer

Hepatocellular Carcinoma

Head and Neck Cancer

Many types of Cancer

Analysis by Biomarker Type

Products have been classified according to the different biomarker types used in the detection of cancer through liquid Biopsy technique:

CtDNA and cfDNA

Exosomes in Urine

Methylated ctDNA

CTCs and ctDNA

CTCs

Major Players in Liquid Biopsy Market

There are approx. 20+ key companies which are developing the products for liquid biopsy products.

Liquid Biopsy Cancer Test: GRAIL Inc.

Grail is developing multi-cancer early detection liquid biopsy test or blood test which can detect up to 50 types of cancer and is committed to develop a deep understanding of cancer biology. GRAIL is poised to detect cancer early by combining

high-intensity sequencing of unprecedented breadth and depth with the techniques of modern data science. GRAIL is creating vast datasets to develop evidence supporting their products.

#### Parsortix: Angle Plc

ANGLE's Parsortix system has the potential to deliver profound improvements in clinical and health economic outcomes in the treatment and diagnosis of various forms of cancer. Parsortix is different from many of its rivals as, rather than testing for fragments of dead cancer cells, it detects and captures circulating tumour cells (CTCs). CTCs provide the tell-tale signs of cancer and their capture can allow doctors to more accurately assess treatment options. This method is seen as more reliable because other tests have shown that fragments of dead cancer cells are present in around a quarter of people over 65 who do not have cancer. CTCs, on the other hand, give a complete picture because they can only be found in people with cancer.

#### DNA methylation based liquid biopsy test: Exact Sciences

Exact's DNA methylation based liquid biopsy test detects 80% of hepatocellular carcinoma (HCC) cases across all stages and 71% of early stage cases. It has shown better performance than the most commonly used marker for HCC, serum alpha-fetoprotein (AFP).

#### Liquid Biopsy for Cancer Diagnostics: Commercialization Activity

This segment of the report provides a detailed list of any commercial activity in the field of liquid biopsy products ranging from collaboration, mergers and acquisition, recent breakthrough among others.

#### Development Activities

In November 2020, Grail has announced a commercial partnership with the UK's National Health Service to make its early cancer liquid biopsy test available starting in 2021

In June 22nd 2020, NuProbe and Weigao Group had announced a strategic collaboration to use NuProbe's proprietary blocker displacement amplification

(BDA) technology to develop a liquid biopsy next-generation sequencing panel for non-small cell lung cancer for the Chinese market.

Further commercial activities are provided in the report.....

Liquid Biopsy for Cancer Diagnostics: Regulatory Pathway

Liquid Biopsy: Regulatory Overview

The regulatory pathway for diagnostic is an alternative NDA process for approving a new diagnostic device. This segment provides an overview of how the regulatory bodies such as the FDA the diagnostics products, by classifying them into different classes which are Class I, II, or III according to the level of regulatory control that is necessary to reasonably assure safety and effectiveness.

Report Highlights

The report covers Introduction of liquid biopsy for cancer diagnostics, including its applications, advantages, disadvantages and limitations, and technological considerations

The report provides detailed product profiles for marketed products as well as pipeline products consisting of product description, regulatory milestones, research and development activities, along with product development activities

The report gives a brief competitive analysis of both the current and emerging products, to help understand the competition in the market

The report also reviews the driving and restraining factors for Liquid Biopsy for Cancer Diagnostics market in 7 MM

The report helps in developing business strategies by understanding trends shaping and driving the global Liquid Biopsy for Cancer Diagnostics market

Liquid Biopsy Report Insights

Liquid Biopsy in Cancer Diagnostic Overview

Regulatory Overview

Competitive Assessment

Key Driver and Barriers

Key strategic developments

## Liquid Biopsy Report Assessment

Marketed Product profiles

Pipeline Product Profiles

Industry Collaborations assessment

Turnaround Time assessment

Oncology Indication Assessment

Biomarker Type Assessment

## Key Questions

How many companies are developing Liquid Biopsy Diagnostic devices?

How many Liquid Biopsy Diagnostic devices are developed by each company?

How many emerging liquid biopsy devices are there?

What are the key collaborations (Industry–Industry, Industry–Academia), Mergers and acquisitions, licensing activities related to the liquid Biopsy in Cancer diagnostics market?

What are the other key developments and happenings going on for the liquid Biopsy in Cancer diagnostic market domain and their status?



What are the key designations that have been granted to the emerging diagnostic devices?

## Contents

### 1 KEY INSIGHTS

### 2 EXECUTIVE SUMMARY OF LIQUID BIOPSY FOR CANCER DIAGNOSTICS

### 3 LIQUID BIOPSY FOR CANCER DIAGNOSTICS: BACKGROUND AND OVERVIEW

#### 3.1 Introduction

#### 3.2 Tumor Circulome

##### 3.2.1 Circulating Tumor-Derived Proteins

##### 3.2.2 Circulating Tumor DNA

##### 3.2.3 Circulating Tumor Cells

##### 3.2.4 Circulating Tumor RNA

##### 3.2.5 Extracellular Vesicles

##### 3.2.6 Tumor-Educated Platelets

#### 3.3 Applications of Liquid Biopsy in Cancer Diagnosis

##### 3.3.1 Screening and early diagnosis

##### 3.3.2 Treatment selection and prognosis

##### 3.3.3 Residual disease and risk of relapse

#### 3.4 Advantages of Liquid Biopsy over conventional Tissue Biopsies

#### 3.5 Disadvantages of Liquid Biopsy over conventional Tissue Biopsies

#### 3.6 Limitation of Liquid Biopsy Components and its Solutions

#### 3.7 Technological Considerations

#### 3.8 Liquid Biopsies of Biological Specimens other than Blood

#### 3.9 Regulatory Pathways for Diagnostics

#### 3.10 Reimbursement Scenario

### 4 MARKETED PRODUCT PROFILES

#### 4.1 Guardant360 CDx Assay: Guardant Health

##### 4.1.1 Product Description

##### 4.1.2 Regulatory Milestones

##### 4.1.3 Research and Development

##### 4.1.4 Product Development and Commercialization Activities

#### 4.2 Cobas EGFR Mutation Test v2: Roche

##### 4.2.1 Product Description

##### 4.2.2 Regulatory Milestones

##### 4.2.3 Research and Development

- 4.3 InVisionFirst: Neo Genomics
  - 4.3.1 Product Description
  - 4.3.2 Research and Development
  - 4.3.3 Product Development and Commercialization Activities
- 4.4 Therascreen PIK3CA test: Qiagen
  - 4.4.1 Product Description
  - 4.4.2 Regulatory Milestones
  - 4.4.3 Research and Development
  - 4.4.4 Product Development Activities
- 4.5 Archer MET Companion Diagnostic: ArcherDX
  - 4.5.1 Product Description
  - 4.5.2 Regulatory Milestones
  - 4.5.3 Research and Development
  - 4.5.4 Product Development Activities
- 4.6 ExoDx Prostate Test: Bio-Techne
  - 4.6.1 Product Description
  - 4.6.2 Regulatory Milestones
  - 4.6.3 Research and Development
  - 4.6.4 Product Development Activities
- 4.7 Resolution ctDx Lung Assay: Resolution Bioscience
  - 4.7.1 Product Description
  - 4.7.2 Regulatory Milestones
  - 4.7.3 Research and Development
  - 4.7.4 Product Development Activities
- 4.8 PlasmaSELECT 64: Personal Genome Diagnostics
  - 4.8.1 Product Description
  - 4.8.2 Regulatory Milestones
  - 4.8.3 Product Development Activities
- 4.9 IvyGene DX Liver Cancer Test: Laboratory for Advanced Medicine (LAM)
  - 4.9.1 Product Description
  - 4.9.2 Regulatory Milestones
  - 4.9.3 Research and Development
- 4.10 LiquidHALLMARK Test: Lucence Diagnostics
  - 4.10.1 Product Description
  - 4.10.2 Regulatory Milestones
  - 4.10.3 Research and Development
  - 4.10.4 Product Development Activities
- 4.11 FoundationOne Liquid: Foundation Medicine Inc.
  - 4.11.1 Product Description

- 4.11.2 Regulatory Milestones
- 4.11.3 Research and Development
- 4.11.4 Product Development Activities
- 4.12 Target Selector pan-TRK assay: Biocept
  - 4.12.1 Product Description
  - 4.12.2 Regulatory Milestones
  - 4.12.3 Product Development Activities
- 4.13 OncoBEAM Liquid Biopsy Test: Sysmex Ionostics Inc.
  - 4.13.1 Product Description
  - 4.13.2 Regulatory Milestones
  - 4.13.3 Research and Development
  - 4.13.4 Product Development Activities
- 4.14 CellSearch CTC Test: Veridex LLC (Janssen Diagnostics)
  - 4.14.1 Product Description
  - 4.14.2 Regulatory Milestones
  - 4.14.3 Research and Development
  - 4.14.4 Product Development Activities
- 4.15 GeneStrat Liquid Biopsy Lung Cancer Test: Biodesix
  - 4.15.1 Product Description
  - 4.15.2 Regulatory Milestones
  - 4.15.3 Research and Development
  - 4.15.4 Product Development Activities

## **5 PIPELINE PRODUCTS PROFILES**

- 5.1 CancerIntercept Detect: Pathway Genomics
  - 5.1.1 Product Description
  - 5.1.2 Research and Development
- 5.2 DNA methylation based liquid biopsy test: Exact Sciences
  - 5.2.1 Product Description
  - 5.2.2 Regulatory Milestones
  - 5.2.3 Research and Development
- 5.3 Parsortix: Angle Plc
  - 5.3.1 Product Description
  - 5.3.2 Regulatory Milestones
  - 5.3.3 Research and Development
- 5.4 Liquid Biopsy Cancer Test: GRAIL Inc.
  - 5.4.1 Product Description
  - 5.4.2 Research and Development

#### 5.4.3 Product Development Activities

### **6 OTHER DEVELOPMENTS IN LIQUID BIOPSY**

6.1 Liquid biopsy next-generation sequencing panel: NuProbe

6.2 Liquid Biopsy Test for Prostate Cancer: OncoCell MDx Inc.

6.3 Liquid biopsy RAS biomarker test: Merck/AmoyDx

### **7 COMPETITIVE ANALYSIS**

7.1 Analysis by Market Status

7.2 Analysis by Number of Industry Collaborations

7.3 Analysis by Turnaround Time

7.4 Analysis by Indication

7.5 Analysis by Biomarker Type

### **8 . DELVEINSIGHT'S ANALYTICAL PERSPECTIVE**

8.1 PEST Analysis

8.2 PORTER's Five Forces

8.3 SWOT Analysis

### **8 MARKET DRIVERS**

### **9 MARKET BARRIERS**

### **10 APPENDIX**

10.1 Bibliography

10.2 Report Methodology

### **11 DELVEINSIGHT CAPABILITIES**

### **12 DISCLAIMER**

### **13 ABOUT DELVEINSIGHT**

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