

Liquid Biopsy Markets: Global Analysis and Opportunity Evaluation 2016 - 2020

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Abstracts

This market report gives a comprehensive and easy-to-review analysis of the liquid biopsy market 2016 – 2020. It provides key market data and identifies new and emerging opportunities relating to circulating tumour cells (CTCs) and circulating cell-free DNA and RNA (cfDNA and cfRNA). The analysis is based on primary data disclosed by experienced end-users' in the clinical, diagnostics and research fields on their current liquid biopsy practices and their plans over the next three. Its findings provide a wealth of market information on the liquid biopsy market and enables suppliers to reduce costs, identify new markets and compete more effectively in the global marketplace.

Recent years have seen the rapid development of minimally invasive diagnostic techniques in the cancer field, notably relating to so-called 'liquid biopsies'. These developments have included the study and characterisation of circulating tumour cells and (CTCs) and circulating cell-free nucleic acids (cfDNA and cfRNA). Today, around 50 companies offer techniques that image, enrich, isolate or characterise CTCs and more advanced methods are also being used to isolate and characterise cfDNA and cfRNA. Advances are also being seen in the study of CTC sub-populations, time-dependent changes and the markers used to isolate or enrich them and new methods are increasingly being applied to cfDNA and cfRNA. Both of these strategies are seeing rapid development, as researchers and developers seek to translate these methodologies and the findings they are providing, into diagnostic tests that impact on clinical care or which drive new discovery.

Nevertheless, despite the excitement these developments are creating, important and fundamental questions remain unanswered. Laboratory Markets Ltd has carried out two comprehensive studies of diagnostic developments relating to CTCs, cell-free nucleic

acids (cfDNA and cfRNA) and exosomes. These were carried out to help address these questions and to assist diagnostic companies to identify and support evolving diagnostic needs in these growing fields.

This report presents the findings of a new 'liquid biopsy' market study on CTCs, circulating cell-free nucleic acids and exosomes, completed in December 2015. These findings are analysed alongside results of a study of these markets, completed eighteen months earlier. Findings from these two studies, which present the disclosures of experienced researchers and clinicians in these fields, allowed an in-depth analysis of new developments and trends being seen in these growing diagnostic market areas.

The current studies profiled 482 experienced clinicians and research scientists, and covered CTC and cfDNA and cfRNA current practices, developments, trends and three-year plans, as well as growth, shrinkage and opportunities across key areas of these diagnostic markets. Its findings provide diagnostic companies with market information on the current and evolving use of CTCs and cfDNA and cfRNA, as well as exosomes, and the techniques that are driving these developments.

Our specialised market studies are designed to assist diagnostic companies and developers to profile current and evolving market opportunities. All of our studies are carried out through specialist groups of experienced researchers and clinicians, and therefore findings are based on 'real world' market data. By providing new insights and a better understanding of end-user practices, needs and future plans, our studies help companies identify qualified leads, to sell into these markets and also support innovation and strategic planning.

Companies mentioned

More than 120 companies are mentioned in this report, namely A&A Biotechnology, AB ANALITICA, Abbott, Abcam, ABI, Abnova, ABSciex, AccuGenomics, Aczon, Adnagen, Advanced Cell Diagnostics, AdvanDx, Affymetrix, Agendia, Agilent, ALS Jena, AMNIS, Amoy Diagnostics, Angle Technology, Applied Biosystems, Argene Inc (Biomerieux), Arrayit, Asuragen, Axis Shield, Axygen Products, Bayer, BD, Beckman Coulter, Becton Dickinson, Biocept, BioGenex, BioLegend, Bioline, Biometra, Bioneer, Bio-Rad, Biovendor, Bioview, Cancer Genetics, Canopus, Caris Life Sciences, Cell Search, Cell Signaling Technology, Chemicon, Clariant, Compucyte, Cynvenio, Cytocell, Dako (Agilent), Dianova, Dynam, eBiosciences, Empire Genomics, Enzo Life Sciences, Epic Sciences, Eppendorf, Eurofins, Eurogentec, Euroimmun, Falcon Genomics, Fermantas, Filtini, Fluidigm, Fluxion, Foundation Medicine, GE Healthcare, Genetix, GenMark

Diagnostics, Greiner Bio-One, IDEXX, IDT, IDVET, Ikonisys, Illumina, Interpath, Invitrogen, Invitrogen (Life Technologies), Ipsogen (Qiagen), Janssen-Veridex, Leika, Life Technologies, Luminex, Merck, MetaCell, Millipore, Miltenyi Biotech, Molecular Devices, MolecularMD, MP-Biomedicals, Myriad Genetics, Nanostring, New England Biolabs, Olink, Ortho, Oxoid, Pathology, Peqlab, Perkin Elmer, Peviva, Promega, Qiagen, R&D, Rarecells, Roche, Roche Diagnostics, Santacruz, ScreenCell, Shimadzu, Siemens, Sigma Aldrich, Silicon Systems, Stemcell Tech, StemCell Technologies, Sysmex, Takara, ThermoFisher, TiBMolBiol, Ventana (Roche), Viatar CTC Solutions, Vitatek, VWR, Zeiss and Zymo Research.

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8.1 Discussion

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