

Sysmex launches Plasma-SeqSensei liquid biopsy RUO kits in EMEA

Norderstedt, Germany, 1 April 2021 – Sysmex Europe GmbH, together with Sysmex Inostics GmbH, announced today that they will launch the Plasma-SeqSensei liquid biopsy research use only (RUO) kits for colorectal cancer (CRC), non-small cell lung cancer (NSCLC), melanoma and thyroid cancer.

Liquid biopsy detects material in body fluids to assess the extent of disease, most often used for the detection of cancerous material in plasma. Though several molecular techniques are used, next generation sequencing is considered to be the most important method to detect minute amounts of circulating tumour DNA (ctDNA). In contrast to tissue biopsy, which is not always obtainable and much more invasive, liquid biopsy is well-suited for clinical research purposes due to its less invasive nature, high concordance to tissue samples in many cancers and real-time information available. [1,2]

Due to a unique technology developed at Johns Hopkins University, Plasma-SeqSensei kits can reduce sequencing errors by >100 fold after refining the previously published methods and therefore detect very small amounts of mutant DNA down to seven mutant molecules per sample. [3] It solves one of the key weaknesses to date which has been the inability to detect very low levels on analyte, missing over 40% of the samples with metastatic disease. [1, 4-8]

Sysmex is launching four reagent kits with a highly convenient software to enable the use of this highly sensitive technology for RUO purposes in four different types of cancers, namely CRC, NSCLC, melanoma (skin cancer) and thyroid cancer. The liquid biopsy market is expected to grow rapidly by >40% per year to 1B USD over the next three to five years. [9]

About Sysmex Inostics GmbH

Sysmex Inostics (President and CEO: Bhuvnesh Agrawal), a subsidiary of Sysmex Corporation, is a molecular diagnostic company that is a pioneer in blood-based cell-free tumour DNA (ctDNA) mutation detection in oncology utilising highly sensitive technologies such as BEAMing (digital PCR) and SafeSEQ (NGS). With more than 10 years' experience in liquid biopsy, Sysmex Inostics is a trusted partner to leading pharmaceutical companies, advancing their efforts to bring the most effective personalized cancer therapies to global markets, from discovery through companion diagnostics.

References

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