

Press Release

Eurofins Genomics, Medicinal Genomics Partner on World's Most Comprehensive, Informative Cannabis SNP Chip

Ebersberg, Germany, 10th December 2019

Eurofins Scientific, a global leader in bioanalytical testing, today announced a partnership with Medicinal Genomics Corp. (MGC), a pioneer in harnessing cannabis genomics to improve agricultural productivity, safety, and transparency of cannabis, to introduce a next generation high-density SNP chip for cannabis and hemp genotyping, breeding, and pathogen testing. The chip will aid customers with their efforts to breed cannabis cultivars that exhibit specific chemical profiles and disease resistant characteristics. The two companies will also use their extensive resources and expertise to make this predictive test available to both US and international customers.

“Eurofins has one of the largest agricultural testing infrastructures in the world, and it has become increasingly important to extend our services to the burgeoning global hemp market,” said Farhad Ghavami, CSO of Eurofins BioDiagnostics, Inc., a division of Eurofins Scientific. “We wanted the best genetic solution for our cannabis customers – something that can revolutionize breeding, genetic purity, and IP security of cannabis seeds. Therefore, finding the best partner whose expertise would stimulate the growth of this worldwide market was a key component. As the premier provider of genetic identification and solutions for the detection of microbes and genetic traits on the cannabis plant, Medicinal Genomics was the perfect choice.”

Tapping into Kannapedia®, the world's largest cannabis genomic database, MGC has identified tens of thousands of high-impact coding SNPs that will be included on the Eurofins Cannabis Chip. Trait specific markers including 39 cannabinoid genes, markers for plant sex, chemotypes (I-IV), and disease resistance will be on the chip. These traits are the most important and relevant to the cannabis industry. The data from the chip can be further analyzed in Kannapedia to gather population frequencies, Bt:Bd allele coverage, heterozygosity, and the relatedness to other cultivars in the database.

“The SNP chip will serve as a powerful research tool for enabling more discoveries of quantitative traits and expanding the diversity of Cannabis cultivars assessed in genetic prediction. Our partnership with Eurofins is going to deliver all that and more,” said Brendan McKernan, Medicinal Genomics' CEO. “Eurofins is the world's leading agrigenomics provider. There's no one better to help us extend our global reach. Needless to say we're thrilled to have them as our worldwide partner.”

The chip will be particularly valuable to hemp growers striving to meet the new USDA <.03% THC regulations, as well as for breeding strains with genes that have been proven to be resistant to powdery mildew, a common and destructive pathogen. Breeding strains that exhibit these types of genetic expressions without the benefit of the underlying genetic information that identifies them as such is a tenuous endeavor at best.

MGC and Eurofins will officially launch the chip in 2020. The chip is available now for advance orders. Broad commercial US and international shipments are expected to begin in the first half of 2020.

To pre-order the service, or for more information please email DNACannabis@eurofins.com

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Notes to Editors:**About Eurofins Genomics**

Eurofins Genomics, a member of the Eurofins Group with facilities in Europe, the United States and Asia, is an internationally leading provider of DNA sequencing services, next generation sequencing services, genotyping services, DNA synthesis products and bioinformatics services for pharma, diagnostics, food, agriculture, biotechnological and research markets. The company's strength is its extensive customer base and high quality services in industrial scale for the life science industries and academic research institutions around the world. For further information, please visit our website at eurofinsgenomics.com.

About Eurofins – a global leader in bio-analysis

Eurofins Scientific through its subsidiaries (hereinafter sometimes “Eurofins” or “the Group”) believes it is a scientific leader in food, environment, pharmaceutical and cosmetics products testing and in agrosience CRO services. It is also one of the global independent market leaders in certain testing and laboratory services for genomics, discovery pharmacology, forensics, CDMO, advanced material sciences and for supporting clinical studies. In addition, Eurofins is one of the leading global emerging players in specialty clinical diagnostic testing. With about 45,000 staff in more than 800 laboratories across 47 countries, Eurofins offers a portfolio of over 200,000 analytical methods for evaluating the safety, identity, composition, authenticity, origin and purity of biological substances and products, as well as for innovative clinical diagnostic. The Group objective is to provide its customers with high-quality services, accurate results on time and expert advice by its highly qualified staff.

Eurofins is committed to pursuing its dynamic growth strategy by expanding both its technology portfolio and its geographic reach. Through R&D and acquisitions, the Group draws on the latest developments in the field of biotechnology and analytical chemistry to offer its clients unique analytical solutions and the most comprehensive range of testing methods.

As one of the most innovative and quality oriented international players in its industry, Eurofins is ideally positioned to support its clients' increasingly stringent quality and safety standards and the expanding demands of regulatory authorities around the world.

The shares of Eurofins Scientific are listed on the Euronext Paris Stock Exchange (ISIN FR0000038259, Reuters EUFI.PA, Bloomberg ERF FP).

About Medicinal Genomics Corporation

Medicinal Genomics Corporation is a pioneer in advancing the genomics of cannabis to build a stronger scientific foundation for cannabis-based products. The company's unmatched expertise in genetic science helps cultivators, dispensaries and testing laboratories characterize and understand the quality and consistency of cannabis to ensure patients and consumers access to consistently safe, high quality

cannabis. To support this work, Medicinal Genomics also produces CannMed, a gathering of cannabis leaders, dedicated to furthering the state of the art in medicinal cannabis, and Kannapedia, the world's most complete public cannabis strain database. For more information, please visit www.medicinalgenomics.com.

Important disclaimer:

This press release contains forward-looking statements and estimates that involve risks and uncertainties. The forward-looking statements and estimates contained herein represent the judgment of Eurofins Scientific's management as of the date of this release. These forward-looking statements are not guarantees for future performance, and the forward-looking events discussed in this release may not occur. Eurofins Scientific disclaims any intent or obligation to update any of these forward-looking statements and estimates. All statements and estimates are made based on the information available to the Company's management as of the date of publication, but no guarantee can be made as to their validity.