RainDance Technologies and Integrated DNA Technologies to develop reagents and consumables for digital PCR

I-Micronews

RainDance Technologies, Inc., the Digital Biology™ Company, and Integrated DNA Technologies (IDT) Inc., the world leader in oligonucleotide synthesis, announced a collaboration focused on consumables specifically tailored to perform the fast-growing application of digital PCR. Under the terms of the agreement, the companies will work together on the development of reagents compatible with the RainDrop™ Digital PCR System. Financial terms of the agreement were not disclosed.

The RainDrop Digital PCR System is a breakthrough research platform that is transforming the performance of molecular assays by enabling digital answers across a number of important applications including low-frequency tumor allele detection, gene expression, copy number variation, and SNP measurement. Built using RainDance's proven RainStorm™ picodroplet technology, the RainDrop System generates up to 10 million picoliter-sized droplets per sample. Since each droplet encapsulates no more than a single molecule, researchers can quickly determine the absolute number of droplets containing specific target DNA and compare that to the number of droplets with background, wild-type DNA.

"We have achieved a new gold standard in sensitivity, quantitation and multiplexing through enhancements in every aspect of system and reagent refinement." said **Rena McClory**, Ph.D., Marketing Director for Digital PCR at RainDance Technologies. *"We are pleased to be working with market leaders such as IDT on the development and broad availability of best-in-class reagents in support of our new RainDrop Digital PCR System."*

IDT is a leader in manufacturing and developing custom oligonucleotide products for use in the research and diagnostic life science markets. This includes design and synthesis of dual-labeled probes for gene expression and genotyping as part of the PrimeTime® qPCR product family. Founded by Dr. Joseph Walder in 1987, IDT's development has been guided by an uncompromising approach to quality, a belief in the value of good service, and a determination to minimize consumer costs.

"We are pleased to be working with RainDance in supporting scientists who are seeking to apply the powerful attributes of digital PCR to their research projects," said **Stephen Gunstream**, Sr Vice President of Marketing and Strategy at IDT. *"Digital PCR is redefining the science of directly quantifying and amplifying nucleic acids and will open the doors to an exciting era of new discoveries."*

For more information about the RainDrop Digital PCR System, please visit

www.RainDanceTech.com [1].

About RainDance Technologies
RainDance Technologies, the Digital Biology™ Company, is pioneering the use of high-throughput picodroplet-based analysis in human health and life science research. The company's core RainStorm™ technology generates millions of discrete droplets that can encapsulate a single molecule, cell or reaction and be digitally analyzed and sorted one at a time. The power, precision and simplicity of picodroplets enable researchers to answer complex questions with unprecedented sensitivity and quantitation. The complete RainDance solution includes automated instrumentation, customizable bioinformatics and high-value consumables and reagents for applications including targeted next-generation DNA sequencing, methylation, digital PCR. Based in Lexington, Massachusetts, the company supports scientists around the world through its international sales and support operations and a global network of distributors and service providers. For more information, please visit www.RainDanceTech.com [1].

For research use only. Not for use in diagnostics procedures.

About IDT
Integrated DNA Technologies (IDT) is a world leader for the supply of custom nucleic acids to academic, government, and commercial researchers in biotechnology, clinical diagnostics, and pharmaceutical development. IDT's primary business is the manufacture of custom, synthetic DNA and RNA oligonucleotides. Today, IDT synthesizes and ships an average of 36,000 custom oligos per day to more than 86,000 customers worldwide. IDT manufacturing locations include facilities in Coralville, Iowa; San Diego, Calif.; Leuven, Belgium, and Singapore. For more information visit www.idtdna.com [2].

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Links:
[1] http://www.RainDanceTech.com
[2] http://www.idtdna.com