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## PerkinElmer Launches NEXTflex® Unique Dual Index Barcodes for Increased Confidence in Sequencing Data

### *Industry-Leading Adapters Mitigate Index Hopping and Spread of Signal in Next Gen Sequencing Applications*

**WHAT:** [PerkinElmer, Inc.](#), a global leader committed to innovating for a healthier world, today announced its [NEXTflex® unique dual index barcodes](#), the latest addition to the NEXTflex family of library prep solutions.\* The NEXTflex unique dual index barcodes are 192 barcoded adapters that provide unmatched data security in sequencing applications for use on Illumina® platforms.

This advanced system is designed to specifically mitigate index hopping and spread of signal, a known phenomenon associated with multiplexing that impacts next-gen sequencing technologies. Instruments utilizing a patterned flow cell and exclusion amplification technology experience increased levels of sample mis-assignment as a result. These adapters address the important issue of sample misidentification, thereby enabling assurance of data integrity.

By allowing researchers to pool multiple libraries in a single flow cell lane, multiplexing with the NEXTflex barcoded adapters also significantly increases processing capacity, while reducing costs.

**WHY:** “The NEXTflex unique dual index barcodes are designed to increase sensitivity and flexibility, thereby allowing users to accurately differentiate between samples and maximize the use of a Next Generation Sequencing run.” said Arvind Kothandaraman, Director of the NGS Product Portfolio, Applied Genomics, PerkinElmer. “We take pride in enabling researchers make scientific breakthroughs by providing innovative tools for their Next Generation Sequencing workflow.”

*\*PerkinElmer’s NEXTflex unique dual index barcodes are for research use only and not for use in diagnostic procedures. For more information, please [click here](#).*

**MORE:** PerkinElmer offers solutions spanning the genomics workflow. These include nucleic acid extraction, liquid handling, sample preparation, DNA/RNA quantitation, library preparation, data analysis, and applications expertise.

For more information, please visit [http: www.biooscientific.com/NEXTflex-Unique-Dual-Index-Barcodes](http://www.biooscientific.com/NEXTflex-Unique-Dual-Index-Barcodes)

## **ABOUT**

### **PERKINELMER:**

PerkinElmer, Inc. is a global leader committed to innovating for a healthier world. Our dedicated team of about 11,000 employees worldwide is passionate about providing customers with an unmatched experience as they help solve critical issues especially impacting the diagnostics, discovery and analytical solutions markets. Our innovative detection, imaging, informatics and service capabilities, combined with deep market knowledge and expertise, help customers gain earlier and more accurate insights to improve lives and the world around us. The Company reported revenue of approximately \$2.3 billion in 2017, serves customers in more than 150 countries, and is a component of the S&P 500 Index. Additional information is available through 1-877-PKI-NYSE, or at [www.perkinelmer.com](http://www.perkinelmer.com)

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