



October 17, 2016

PerkinElmer to Launch NEXTflex™ Custom Amplicon Panels and Showcase Innovative Solutions for Genomics Research at ASHG 2016

WHAT: [PerkinElmer, Inc.](#), a global leader committed to innovating for a healthier world, today announced the launch of several new [NEXTflex™ Custom Amplicon Panels](#) at the American Society of Human Genetics 2016 Annual Meeting (ASHG 2016). As the largest human genetics meeting and exposition in the world, ASHG attracts more than 6,500 scientific attendees and over 200 companies who gather to discuss cutting-edge science in all areas of human genetics.

The NEXTflex™ Custom Amplicon Panels offer a cost-effective solution for on-target reads, with 100 percent coverage of targeted regions. These panels analyze BRCA1/2, CEBPA, HBOC-3, MEFV, TP53, and specific genes related to colon cancer, diabetes, and nephrotic syndrome and can detect of somatic mutations in BRCA1/2 and TP53 loci. Researchers do not need to redesign their existing samples in order to obtain the data necessary for sequencing to occur.

“Our new NEXTflex Custom Amplicon Panels represent a set of advanced tools to enable scientists to effectively conduct genetics research that can lead to breakthroughs, ultimately resulting in better health outcomes,” said Brian Kim, General Manager, Applied Genomics, PerkinElmer. “These solutions give researchers the technologies they need to help to facilitate targeted sequencing, detection of genetic variants, and overall seamless execution of genetic workflows.”

WHEN: October 18-22, 2016

WHERE: Vancouver Convention Centre
Vancouver, British Columbia, Canada
Booths: 1201, 1202 and 1124

ON DISPLAY: PerkinElmer will also highlight the following [solutions](#) at ASHG 2016:

chemagic™ 360 Instrument utilizing PerkinElmer's award-winning chemagen technology platform, this solution offers increased flexibility in automated DNA/RNA isolation when working with various sample types (blood, saliva/plasma), sample volumes (10 µl-10 ml) and throughputs (1-12, 1-24, 1-96) on a compact, benchtop instrument. Researchers can simplify their workflows for a wide range of next generation sequencing and PCR applications in human genetics/biobanking, HLA typing, pathogen detection, and viral identification.

chemagic Prepito® instrument: a compact benchtop solution for DNA/RNA isolation which represents a top quality sample preparation system. This instrument leverages PerkinElmer's many years of experience in automated, magnetic bead based nucleic acid isolation, delivering high yield and purity DNA/RNA that are integral to the success of downstream applications.

LabChip® GX Touch platform: an instrument that utilizes PerkinElmer's microfluidics technology to perform reproducible, high-resolution, electrophoretic separations. Genomic researchers can assess genomic DNA integrity, DNA smear, and DNA/ RNA fragments allowing for accurate normalization, pooling, or quality control during library preparation, as well as PCR fragments for resequencing applications. Using the NGS 3K assay with PerkinElmer's LabChip platform, scientists can quantitate DNA using very small concentrations of sample.

JANUS® G3 Automated Workstation (coming soon): a platform that features enhanced software and hardware capabilities designed to seamlessly automate cellular high content analysis, genomics, biotherapeutics (small scale protein purification) and high-throughput screening workflows. PerkinElmer offers a suite of liquid handling workstations with multi-application flexibility, a common intuitive user interface, direct control error recovery, dynamic pipetting volume range from 0.5 µl to 5000 µl for consistent, reproducible sample preparation, over 50 application-specific pre-programmed protocols to save time-consuming programming steps, and status light indicators.

DropletQuant™ instrument: analyzes 96 samples in under five minutes, even with volumes as low as 1 microliter allowing for fast, full-spectrum assessment of sample impurities before downstream processing begins. The low volumes needed and broad dynamic range enables rapid sample quantitation.

Sciclone® NGS Workstation: a high-throughput solution for library prep, sequence capture and normalization. Scientists can prepare samples for up to 480 libraries or 192 exome captures per week, with the flexibility to handle up to 96 samples per run. As a fully enclosed system, cross-contamination is minimized.

Zephyr® G3 NGS Workstation: a benchtop liquid handler designed to automate preparation of libraries for next generation sequencing and address clinical requirements for the physical separation of pre-and post-PCR processes. Its simplified user-interface and integrated hardware can maximize laboratory productivity while reducing variability resulting from manual pipetting steps.

PRESENTATIONS:

PerkinElmer will also deliver the following presentations at ASHG 2016:

PerkinElmer Exhibitor Education Event: highlighting applications of automated, flexible DNA isolation methodology in large-scale genetic studies

Location: Vancouver Convention Centre
Room 10, East Building
Date: October 20, 2016
Time: 1:00-2:30 p.m.

MORE: For more information about PerkinElmer at ASHG 2016, please [click here](#). Follow us on twitter [@PKILifeScience](#) and join the conversation about ASHG.

ABOUT

PERKINELMER:

PerkinElmer, Inc. is a global leader committed to innovating for a healthier world. The Company reported revenue of approximately \$2.3 billion in 2015, has approximately 8,000 employees serving 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.

Media Contact:

Megan Malarkey
+1 212-331-8403
perkinelmerlss@apcoworldwide.com

PerkinElmer's solutions included in this announcement are for Research Use Only and not for use in diagnostic procedures.

###