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Newsletter - Analisa Resources (M) Sdn Bhd  
September 2020



While we keep you updated with some of the latest products and technical developments in science, upcoming events as well as our top picks products in the lab, we take a moment to share with you the beautiful colors of fall. Fall marks the beginning of a new academic term and for most of us the return to the labs. Best Wishes to All in your Scientific Journey!

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## **SPEX SamplePrep Agri-Prep**

SPEX SamplePrep is an industry leader in sample preparation products for agricultural / plant research and testing labs. Our powerful homogenizers, grinders and cryogenic mills provide reliable,



## **QIAGEN dPCR Webinars - Learn & Earn Series**

Due to an overwhelming response to our Digital PCR Webinar Series and with most of our researchers back in the lab, we will be dedicating more of our



## **Selamat Hari Merdeka from All of Us at LabFriend!**

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\*\*\* T & C Apply.  
Not applicable in

reproducible results without cross contamination.

#### Applications Include

- Biofuels
- Disease Research
- DNA/RNA Extraction
- Environmental Studies
- Food Adulteration/Origin
- Food Safety
- Pesticide Extraction
- Protein Extraction

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dPCR Learning Series Webinar to a university/institute near you. In this Learn & Earn series, we will be introducing digital PCR and applications where digital PCR would give you an edge in your molecular work. Participants are recognised for their learning efforts with a Certificate of Attendance and stand a chance to earn a Research Grant to support their research work. To participate, check out our Learn and Earn Webinar Schedules.

[Find out More](#)

conjunction with other promotion.

### LabFriend Stock Clearance Sale

For the laboratories faced with an increasingly challenging budget, or even if you are just replenishing your lab supplies, you may be interested to check out our clearance items.

- Chromatography and Spectroscopy Consumables
- Laboratory Plastics
- General Laboratory Equipment

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## FEATURED ARTICLE

### NEXT GENERATION SEQUENCING IN AGRIGENOMICS

Next Generation Sequencing (NGS) in agrigenomics market encompasses two major technologies which are whole genome sequencing (WGS) and Genotyping by Sequencing (GBS). These technologies involves the usage of different NGS reagent kits & consumables, instruments and bioinformatics analysis pipelines. While NGS is a powerful genome selection tool, adoption of NGS in crops and livestock breeding program can be challenging due to its' experiment complexities and the cost of the NGS reagents and facilities.



LGC Biosearch Technologies unlocks the full power of NGS for agrigenomics by offering chemistries and services that are not only cost effective but also user friendly. The complete and flexible genotyping service packages deliver accurate and cost-effective genotyping service solutions to breeders with varying throughputs and requirements.

This makes the adoption of NGS for breeding simpler than ever. Solutions offered include **NxSeq™ DNA fragment library preparation kits for whole genome sequencing (WGS), Allegro Targeted GBS kits, to its all-inclusive SeqSNP Genotyping by Sequencing (GBS) service.**

#### Benefits Include

- The ability to reliably generate highly complex and informative libraries for uniform and unbiased sequencing data that is critical for uncovering important diversity associated with phenotypically relevant traits
- Leverage targeted GBS for high-throughput genomic selection breeding programs to achieve genetic gains with flexibility of content
- De novo SNP and structural variation analysis that is not possible with microarray platforms.

### SAMPLE QUALITY MATTERS

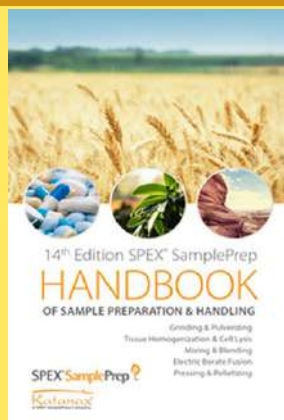
Because the sample quality largely affects the downstream PCR and NGS workflow, getting sample preparation right is critical to ensure reliable and accurate results. Our comprehensive range of high performance DNA/RNA Extraction and Purification kits, Automated DNA Purification, Sample Grinding and Lysis instruments from Spex Sample Prep, Qiagen and LGC Biosearch complement the NGS workflow.

### BIOINFORMATICS

Analysis of next generation sequencing data typically requires the use of a range of different open source algorithms and bioinformatics software applications. Thus making sense of several different data types e.g. genome, transcriptome, epigenome, proteome and variant data, can be challenging. **QIAGEN IPA (Ingenuity Pathway Analysis) Analysis Match** offers an integrated and user friendly bioinformatics toolbox for the interpretation and visualization of multi-omics data.

Additionally, LGC, UK offers a broad range of next generation sequencing services including bioinformatics using state of the art platforms and library preparation solutions. Consultation and the delivery of optimised solutions that meet the specific needs of a project is available.

## IMPORTANT RESOURCES



### SPEX SamplePrep Handbook

To make the sample preparation process simple while increasing throughput, ensuring reproducibility and minimizing cross contamination.

- Tissue Homogenization and Cell Lysis
- Grinding and Pulverizing
- Mixing and Blending
- Borate Fusion
- Pressing and Pelletizing

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### Online Laboratory Store - [www.labfriend.com.my](http://www.labfriend.com.my)

With more than 500 Brands to choose from, and a time where face to face meet up with a sales person is limited, Labfriend Malaysia offers the scientists a simple, quick and cheaper alternative to sourcing for laboratory supplies.

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