

## ANALISA RESOURCES (M) SDN BHD



Metabolomics profiling reveals different patterns in an animal model of asphyxial and dysrhythmic cardiac arrest

Evaluation and validation of a biochip multi-array technology for the screening of 14 sulphamide and trimethoprim residues in honey

Variation in the ovocalyxin - 32 gene in commercial egg-laying chickens and its relationship with egg production and egg quality traits

The threat of diseases affecting the productivity of farm animals and hence a sustainable food production capable of feeding a growing human population is a significant global challenge. Meanwhile, a trend towards the extensive use of veterinary drugs in animal husbandry and modern food production presents potential food safety risks.

Molecular techniques features prominently in the development of tools for the rapid, simple detection of livestock pathogens with opportunities and drivers for the development of simple, rapid possibly portable diagnostics to overcome limitations of centralised testing. On the other hand, mass spectrometry has been extensively developed and validated as a multi-residue screening method for veterinary drugs, their metabolites and pesticides in meat with focus on improved sensitivity and accuracies and lowering limits of detection.

Featured this month is our extensive array of products relevant to the veterinary diagnostics and testing labs; tools in techniques including PCR, ELISA chip based solutions as well as standards commonly needed for quality assessments, qualitative and quantitative analysis for the chromatographers and chemists among us.

Enjoy browsing!



### Deals & Top Picks

Our top pick this month is the all new **QIAGEN QIA Amplifier 96 end point PCR** which when paired with Indical's highly trusted sample preparation chemistries and **QIAGEN's extensive range of One Step RT PCR and/ or AllTaq mastermixes** offers a complete out of the box solution for the molecular biologist keen on the diagnostics or research on veterinary diseases. Check out our instrument package deals for an affordable solution.

For a more customized solution, we



### Analytical Solutions

**Cambridge Isotope Laboratories Metabolomics Mixtures and Kits** are designed to aid ease of use in untargeted or targeted metabolomics (for quality control, qualification, and/or quantitation). The mixtures are offered neat or as solutions, while the kits are additionally supplied with a user manual. The manuals outline general procedures and processing examples, as well as alternate method suggestions and data analysis guides for user reference.

offer **LGC Biosearch comprehensive nucleic acid services** featuring research-grade and GMP oligos, application specific assays, probes, and GMP services for those among us seeking best, fastest results with less effort. Call us for a quote.

**[ACE UHPLC-MS/MS method for aminoglycosides in eggs](#)** - ACE Excel C18-PFP, 2um, 100 x 2.1mm Gradient analysis and ACE UltraCore SuperC18, 2.5um, 100 x 2.1mm compatible with waters Acquity SDS system.

[Request Demo](#)

**[ELISA on a CHIP - RANDOX Evidence Investigator on Meat & Seafood Analysis](#)**. A multi-analyte quantitative drug residue screening analyser. Using biochip technology, the Evidence Investigator ensures screening food for drug residues is accurate and efficient, offering laboratories comparable results to that of LC-MS/MS. The Investigator can be used to test a variety of matrices including meat, seafood, honey, milk, mycotoxins and urine.

[Enquire Here](#)



## Life Science Solutions

**[Indical Bioscience virotype ASFV PCR Kit](#)** - Accurate test results in detecting African Swine Fever.

- Duplex real-time PCR (qPCR) for sensitive and highly specific detection of ASFV DNA
- Endogenous Internal Control ( $\beta$ -actin)
- Multiple validated sample types (serum, plasma, EDTA blood, tissue and swabs) from pigs and wild boar

**[virotype ASFV 2.0 PCR Kit](#)** - Enhanced sensitivity and specificity version to gain more control and confidence in detecting African Swine Fever Virus.

- Triplex real-time PCR assay for rapid and highly reliable identification of all known ASFV genotypes
- Fast qPCR runtime of ~60 mins
- Double Internal Control System: Endogenous Internal Control ( $\beta$ -actin) and Exogenous Internal Control

**[Biosearch Technologies' cost effective, all-inclusive DNA extraction and KASP™ genotyping service](#)** makes it feasible and even simple to genotype large sample and SNP numbers. The complete service package is available for the following industries:

- Plant
- Livestock
- Aquaculture

[Enquire Here](#)



## Mark Your Calendar

We understand you may have missed some of these webinars. Below our selected list of webinars that took place in the last few months. Happy Watching!

**[Mark Your Calendar](#)** for 30th Sep 0900 hrs to watch the upcoming Teledyne ISCO Webinar - Purification and Isolation of Cannabinoids Other than CBD from Hemp. Topics to be covered:

- Which cannabinoids can legally be extracted from hemp cultivation in the US?
- What benefits do these compounds offer?
- How to maximize the value of your hemp extracts by commercializing the non-CBD compounds found alongside primary CBD extraction from hemp.
- Preparative HPLC as a reliable and cost-effective method for isolation of minor cannabinoids.
- How to increase throughput while reducing method development time with the automation features of the ACCQPrep HP150.

In this webinar, attendees will be able to rapidly take advantage of the latest science and purification methods relating to minor cannabinoids. Also learn how to access Teledyne ISCO's chromatography support team for assistance.

[Watch Here](#)

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