

PRODUCTS CATALOG



SAENGVITH SCIENCE CO., LTD.

We are trading and importing scientific instruments company who are the representative of many U.S.A., European, also Asian companies.



BUSINESS PERFORMANCE

SAENGVITH SCIENCE CO., LTD. is an expert in the supply and service of laboratory equipments. We import wide range of products from leading manufacturers in U.S.A., Europe and Asia to outfit unique requirement of applications for customer includes; universities, research institutes, institute of forensic science, medical centres, governmental organizations and businesses as well as heavy industries.

We offer array of X-ray fluorescence analysis equipments, sample preparation equipments, food safety diagnostic equipments, fat and oil analysis equipments, nuclear magnetic resonance and more. Our product list includes range of chemical reference standard, laboratory proficiency testing kits and forensic instruments.



SERVICE

We utilise our knowledge and know-how to add value to products we sell by providing continuing application and technical support, from finding the right equipment to fit your application, installation service by experts as well as user training course to ensure the maximum performance of purchased equipment, and reliable maintenance/repair service by experienced technical team.





AccuStandard®
Leader in Analytical Reference Standards

CHEMICAL REFERENCE STANDARDS

สารเคมีมาตรฐาน

ORGANIC SINGLE ANALYTES & SELECT MIXTURES

- **Persistent Organic Pollutants (POP) :**
PCBS & metabolites, Halogenated aromatics, Dibenzo-p-dioxins, Dibenzofurans, PBDE congeners, PBBs metabolites & BFRs, PAHs & Derivatives, Nitrogen containing compounds, Pesticides & Herbicides
- **Volatile Organic Compounds (VOCs)**
- **Individuals by functional group :**
Alcohols, Aldehydes & Derivatives, Ketones, Phenols, Amines, Anilines, Amino compounds, Ethers, Halo ethers, Haloacetic acids, Fatty acid ethyl ethers & Phthalates
- **Individuals by application :**
Explosives, Fuels & hydrocarbons, **Plastic additives**, Food analytes (Methyl esters, glycerides, AOCS Methods, FAMES,
- **Cannabis and Hemp Testing Standards :**
THC, THCA, CBDA, CBD, CBN, CBG, CBC, THCV, CBDV, Terpene standards

ENVIRONMENTAL PROTECTION AGENCY (EPA)

- **Individuals analytes from EPA methods**
- **Contract Laboratory Program (CLP)**
Volatiles, Semi-volatiles & Pesticides mixtures
- **500 series**
for Drinking water
- **600 series**
for Waste water
- **1300**
TCLP (Toxicity Characteristic Leaching Procedure)



REFERENCE STANDARDS FOR PLASTIC ADDITIVES

- Contains the most comprehensive list of Plastic and other polymeric standards Accelerants, Antidegradants, Antifoams, Antioxidants, Antiozonates, Blowing Agents, Coupling Agents, Cross-Linking Agents, Flame Retardants, Plasticizers, Processing Aids, Retarders, Stearates, UV Stabilizers, Vegetable Oils, & Deuterated

INORGANIC STANDARDS & QC STANDARDS

- **Single Element : ICP, ICP/MS & AA**
Pesticides & Herbicides
- **Ion Chromatography Standards**
- **Wet chemical**
Turbidity, Alkalinity, Hardness, Conductivity, Oil & Grease, Biochemical BOD, COD & Solids
- **ICP & ICP/MS Multi – element Standards**
- **OrganoMetallics (Wear metals)**
AA, ICP, DCP & XRF Analysis
- **Lubricating Oil Standards**
- **Inorganic ASTM Methods**

REFERENCE STANDARDS FOR PETROCHEMICAL

- **Over 100 ASTM Methods D-56 to D-7065**
(Cross Ref. IP, ISO, DIN, JIS, AFNOR Methods)
- **Physical properties**
Flash point, Distillation, Viscosity, Aniline point, Freezing & Cloud point
- **Sulfur standard**
Diesel Fuel, Residual Oil, Mineral Oil, Kerosene, Gasoline & Crude Oil
- **PIANO, PONA, PNA Analysis**
n-Paraffins, Isoparaffins, Aromatics, Naphthenes & Olefins
- **BioFuels**
ASTM D6584 / EN14105 Free & Total Glycerin, EN14103 Fatty Acids Methyl Esters (FAMES), Fatty Acid Ethyl Esters (FAEES), EN14214 Wear metals
- **Universal Oil Products (UOP)**
- **Total Petroleum Hydrocarbon (TPH) & Fuel & Hydrocarbon**



PROFICIENCY TESTING

WHAT IS LGC PROFICIENCY TESTING?

โปรแกรมการทดสอบความชำนาญห้องปฏิบัติการ
ทดสอบและสอบเทียบ

Proficiency testing (comparative testing) is an important way of meeting the requirements of ISO/IEC 17025, ISO1400 etc. in the area of quality assurance of laboratory results. It is also mandated by accreditation bodies that laboratories participate in proficiency testing programs for all types of analyses undertaken in that laboratory, when suitable programs exist.

BENEFITS OF PROFICIENCY TESTING PARTICIPATION INCLUDE

Monitor and improve quality of measurements Demonstrate competency to customers and accreditation bodies Inter-laboratory measurement comparisons Greater process control Staff development and training Evaluate methods and instrumentation

SECTOR SPECIFIC SCHEMES

WATER & ENVIRONMENTAL PROFICIENCY TESTING SCHEMES

- **AQUACHECK**
wastewaters ,sludges,sediments soils, Chemical analysis of clean water
- **QWAS**
Microbiological analysis of waters , effluents and sludge
- **CONTEST**
Analysis of contaminated soils for a wide range of contaminants
- **STACKS**
Analysis of samples resulting from periodic emission monitoring
- **AIR PT**
Air & Stack Emissions
- **HYGIENE**
Hygiene Surface Monitoring
- **CRYPTS**
Cryptosporidium



FOOD PROFICIENCY TESTING SCHEMES

- **QMS**
Microbiological examination of food and food ingredients
- **QDCS**
Composition and safety testing in the dairy sector
- **QMAS**
Chemical and Microbiological analysis of meat products
- **QGS**
Analysis of gelatin samples
- **QCS**
Microbiological and chemical testing of chocolate
- **QFCS**
Chemical testing of food products
- **QCS**
Chemical and microbiological analysis for the chocolate industry
- **Animal Feeds**
Chemical & Microbiological analysis of animal feed products
- **CONF-IDENT**
Confirmation & Identification



PROFICIENCY TESTING

BEVERAGE PROFICIENCY TESTING SCHEMES

- **BAPS**
Chemical and microbiological & sensory analysis of a range of beers
- **DAPS**
Analysis of a wide range of alcoholic beverages (except beer)
- **QBS**
Chemical and microbiological testing of soft drink
- **MAPS**
Analysis of malt & barley used by the malting, brewing & distilling industries

FORENSIC & CLINICAL EQA SCHEMES

- **DOF**
Analysis of Heathcontrol Drug in Oral Fluid Scheme
- **DAU**
Analysis of Heathcontrol Drug of Abuse in Urine Scheme
- **TDM**
Analysis of Heathcontrol Therapeutic Drug Scheme
- **Toxicology**
Analysis of Heathcontrol Toxicology Scheme
- **Forensics**
Analysis of Alcohol in blood Drug profiles
- **CLS** : Clinical Laboratory Scheme
- **SAR** : SARS-CoV-2 Scheme
- **IPT**: Immunosuppressant Scheme
- **TDM** : Therapeutic Drugs Scheme
- **DAH** : Drugs of Abuse in Hair Scheme
- **QUARTZ** : Forensic Blood Toxicology Scheme
- **FAE** : Forensic Analysis for Explosives Scheme
- **FIRMS** : Forensic Isotope Ratio Mass Spectrometry Scheme

OTHERS SCHEMES

- **QMIS**
Identification of microorganisms
- **PHARMASURE**
Measurement of a range of analysis in pharmaceutical products used in hospitals
- **PHYTAS**
Qualitative and quantitative analysis of botanical products
- **Cosmetics and Toiletries**
Chemical and microbiological testing of Cosmetics and Toiletries
- **TOYTEST**
Toy safety testing to The European Standard EN71 and ASTM F96
- **DAH**
Drugs of Abuse in Hair Scheme
- **CANNABIS**
Cannabis & Related Products
- **NiMS**
Nickel Migration



Certified Reference Materials (CRM) Standard Reference Materials (SRM)



Excellence through measurement

REFERENCE MATERIALS FOR FOOD INDUSTRY

- **Milk & Milk products**
Milk powder, Processed cheese, Whey powder & Infant Food
- **Meat & meat products**
Beef, Pork, Lamb, Chicken, Fresh meat
- **Fish & Fish products**
: Shellfish; Mussel tissue, Oyster tissue
: Fish; Cod muscle, Tuna fish, Dogfish muscle
- **Cereals & genetically crops**
Wheat, Corn, Rye, Rice & Rapeseed
- **Vegetable matter**
Fruit & vegetables; Apple, Carrot, Tomato, Peanut butter

REFERENCE MATERIALS FOR CLINICAL ANALYSIS & FORENSIC TOXICOLOGY

- **Reference Materials for Clinical Analysis**
Blood, serum, urine with certified values of trace elements, hormones and vitamins.
- **Reference Materials for Forensic Analysis**
Alcohols, steroids and drugs in blood, serum, urine and hair; deuterated and native forensic standard solutions.

ENVIRONMENTAL ANALYSIS REFERENCE MATERIAL

- **Certified matrix reference materials for organic, inorganic, metals & nutrients analysis of**
: Waters – Drinking, Rain, Fresh, Spilled / fortified Water
: Sediments – Freshwater & Marine sediments
: Soils & Sewage sludges

REFERENCE MATERIALS FOR PHYSICAL PROPERTIES

- **Thermal properties**
Melting, freezing & triple points Flash point & Vapour pressure
- **Particles & surface properties**
Particle size, Surface area, Coating & Surface tension
- **Optical properties**
Refractive index, Optical density, Photography & Microscopy

PHARMACEUTICAL REFERENCE SUBSTANCES AND IMPURITIES MATERIAL

- **Reference substances from the world's Pharmacopoeia**
United States Pharmacopoeia, European Pharmacopoeia, British Pharmacopoeia, International Pharmacopoeia, Certified pharmaceutical impurities

LGC Quality - ISO Guide 34

- GMP/GLP
- ISO 9001
- ISO/IEC 17025
- ISO/IEC 17043



CERTIFIED REFERENCE MATERIAL

วัสดุอ้างอิง/สารละลายมาตรฐาน สำหรับการวิเคราะห์ สารป้องกัน และกำจัดศัตรูพืช

TRM (Thailand Reference Material) is a certified reference material issued by the National Institute of Metrology (Thailand), NIMT and its designated institute. TRM with a roof shape logo is a registered trademark of NIMT with the department of intellectual property, Thailand. TRMs are produced to the highest standards according to ISO Guide 34 ensuring their consistent quality. TRMs are produced with a well-defined traceability linkage to SI unit (Mole). The traceability is established via NIMT criteria using metrologically valid procedures for the certification of reference material given by NIMT.

THAILAND REFERENCE MATERIAL (TRM)

Inorganic Standard

- Secondary pH standards
(Range:1.10, 1.68,4.01,6.86,7.01,9.18, 10.01,11.72)
- Zinc, Cadmium, Arsenic Standard Solution
- pH of ethanol
- Chloride, Sodium Standard Solution
- Secondary Electrolytic Conductivity Solution
- Potassium Dichromate Standard for Spectrophotometer



Sucrose Standard

- **Sucrose Standard Solution (% Brix)**
(0.01%, 0.02%, 0.03%, 0.04%, 0.05% Brix)
(5.00%, 10.00%, 20.00%, 30.00%, 40.00%, 50.00%,60.00% Brix)



Organic Standard

- Acaricide Pesticide
- Carbamate Pesticide
- Pyrethroid Pesticide
- Organochlorine Pesticide
- Organophosphate Pesticide
- Insecticide Pesticide
- Benzene, Ethylbenzene, Toluene, Xylene



Gas Standard

- Gas Standard (Oxygen in Nitrogen)
- Carbon dioxide in Nitrogen
- Methane in Nitrogen
- Methane in Air
- Propane in Nitrogen
- Sulfur Dioxide in Nitrogen



Matrix Reference Material Etc.

Food/ Clinical/ Environmental

- Element in Glutinous Rice Powder
- Trace and Essential Elements in Prawn
- Total Malachite Green in Freeze Dried Prawn
- Melamine in cracker
- Aflatoxins in Peanut Butter
- Clenbuterol in feed /Salbutamol in feed
- Element/Total Cholesterol in Frozen Human Serum
- Elements in Soil
- Mercury in Drinking Water
- Trace Elements in Drinking Water
- Element in Acrylonitrile Butadiene Styrene (ABS) Plastic



To produce in Vitro test kits for clinical laboratories, veterinary practice and food industry.

Beta-Agonist residues in meat production are of great concern to regulatory agencies and consumers. Our selective immunoassays provide a fast and low cost method to assure the customers that food products are safe to go to market.

Biopanda Reagent's Rapid lateral flow immunoassay tests are a fast and effective way to detect Beta-Agonist residues in food products.

The test kits are for Clenbuterol, Ractopamine and Salbutamol. Also, Clen/ Rac/ Sal Triple Rapid test kit.

Biopanda
Reagents



Charm II

The Charm II system provides comprehensive food safety testing for multiple food matrices. It is used for milk, egg, fish, grain, honey, serum, tissue, urine, and water testing. Charm II is the choice of food industry laboratories and regulators around the world because of the wide variety of tests offered and the system's versatility, reliability and accuracy.



Applications

- Multi-testing: Antibiotics, Aflatoxins, Pesticides, Alkaline, Phosphatase and ATP
- US, SL, MRL & CODEX level screening methods
- Multiple Antibiotic: Beta-lactams, Tetracyclines, Sulfonamides, Amphenicols, Chloramphenicol, Streptomycin, Macrolides, Aminoglycosides, Novobiocin

Charm EZ System for Milk Testing

The Charm EZ system makes quick work of antibiotic and aflatoxin M1 testing in milk. Simply insert a ROSA lateral flow strip and add milk.

The system is configured with tests calibrated to US Safe Levels, EU, CODEX, and Customs Union MRLs.



Charm EZ-M System for Grain Testing

The Charm EZ-M system reads any quantitative ROSA mycotoxin strip used for grain testing. Charm has ROSA tests for aflatoxin, DON (vomitoxin), fumonisin, ochratoxin, T-2/HT-2 and zearalenone that are GISPA certified.

Testing is so fast and simple to perform real-time analysis on raw ingredients as part of acceptance testing. By screening grains in the receiving area, food manufacturers can be assured that raw materials are of an acceptable quality.



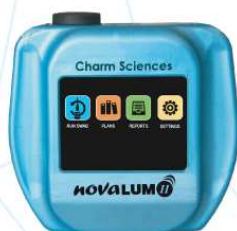
EPIC System

The Charm EPIC system is a microplate bioluminescence system that predicts spoilage in shelf-stable, ultra high temperature (UHT), and extended shelf life (ESL) beverage products. EPIC detects ATP, a bio-marker of microbiological quality. The system can screen beverage products in 24 to 36 hours. It can be tested in white milks, flavored milks, soy beverages, creams, yogurt-based drinks, ice cream and condensed milk.



Novalum II

Advanced Sensitivity The novaLUM®II ATP detection system utilizes a technologically advanced photomultiplier tube (PMT) that is more sensitive to ATP (adenosine triphosphate) presence allowing detection of lower levels of microbial and organic matter contamination. This is a distinct advantage over systems that use less sensitive PMTs or photodiodes. The novaLUM II system's PMT has low noise, a greater dynamic range, a faster response time, and accuracy over a wider temperature range.



Heat sensitive metabolites, isomers and complex molecules retain their composition as they are not degraded by heat or pressure.

FREEZER/ MILLS

Freezer mills CG-500



Freezer mills CG-400



Freezer mills CG-200



- Particle size reduction
- Cryogenic grinding
- Tissue homogenization DNA/RNA extraction
- Pressing & pelletizing
- Sample handling for XRF

What is Cryogenic Grinding?

- The Ultimate Sample Preparation Technique for Pulverizing "Difficult" Samples
- Grinding materials at low temperatures.
- Liquid Nitrogen -196°C
- Not degrade by heat pressure

"Ungrindable" samples can be pulverized

- Leaves, roots, stems, seeds (cotton, sunflower, corn), Polymers, rubber, silicones
- Fibers, hair, textiles
- Skin, bone, muscle, cartilage, etc.
- Food products, paint chips, pharmaceuticals Gums, resins, waxes
- Electronic components
- Tough food, feed materials (dog chews)

CryoBlade CG-900



Breakthrough, automated processing from bulk to test portions in 15 minutes or less

- High-throughput - process up to 1 kg of sample per run
- Efficient - complete a method in 15 minutes or less
- Versatility - capability to use liquid nitrogen or dry ice to process your sample
Cryo accessories for low temperature (e.g. RNA extraction)
- Safety - automated dispensing of liquid nitrogen eliminates the handling and manipulation of liquid nitrogen (patent pending)
- 230 VAC peration

GENO/GRINDER® HG-600



- The ultimate tissue homogenizer
- Used in many applications:
- Pesticide extraction and other food analysis
Plant and animal research
Pharmaceutical
DNA extraction
Etc.
- Cryo accessories for low temperature (e.g. RNA extraction)



Mini G
HG-400



MIXER MILL 8000D
BM-450



Enclosed
Shatter Box SM-200



X-PRESS XP-400

ZenoTOF 7600 System



TRIPLE QUAD SYSTEMS



QTRAP SYSTEMS



X500R QTOF SYSTEMS



MASS SPECTROMETER

● TRIPLE QUAD SYSTEMS

The Triple Quad 6500 System, exceedingly sensitive, sharply focused – all backed by the integrity and quality of the SCIEX brand.

● X500R QTOF SYSTEMS

The X500R QTOF system is the first robust, high-performance, high resolution MS system designed for routine food, environment, and forensic testing.

X500R QTOF
SYSTEMS



● QTRAP SYSTEMS

The SCIEX QTRAP System deliver new and exciting discoveries for identification, characterization and quantitation of your samples. From high throughput analysis to detailed analyte investigations, the QTRAP system goes beyond your expectations.



SCIEX
7500+ System

● ZenoTOF 7600 System

Driven by the power of the Zeno trap coupled with EAD fragmentation technology to unlock sensitivity gains that reveal previously inaccessible. Detect up to 20x more ions in every experiment and access a spectrum of tunable fragmentation techniques to uncover new perspectives for every molecule, in every experiment.

APPLICATION :

- Environmental
- Metabolisms
- Clinical Research
- Food & Beverage
- Proteomics
- Drug Discovery

● SCIEX 7500+ Triple Quad system – QTRAP ready

Setting a new standard for instrument resilience and robustness, the SCIEX 7500+ system gives you the confidence to face evolving analytical challenges. Take on tight timelines with exceptional sensitivity and with the power to control your instrument downtime.

TurboVap® Evaporators

Fast Evaporation with Patented Vortex Technology

TurboVap® LV

Evaporation of either 24 or 48 position mode with independent control of flow in each row.

Compatible with tube sizes ranging from 10 to 32 mm and from 32 up to 165 mm in length. Acid resistant version available.

TurboVap® II

Evaporates six 50 or 200 mL samples with independent vial control. Automatic sensors detect when the solvent reaches the end-point volume and automatically stop the evaporation. Acid resistant version available



Biotage® PRESSURE+

Positive Pressure for Smarter Sample Prep

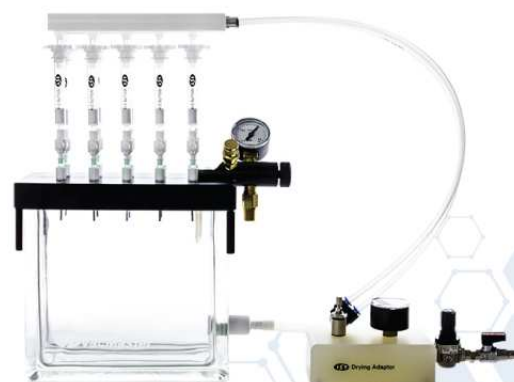
Biotage® PRESSURE+ manifolds deliver positive pressure, parallel processing for 96 well plates, 1 mL 3 mL and 6 mL column formats. The systems utilize a consistent, uniform flow of positive pressure to move both low and high viscosity liquids through SPE plates and columns.

Each port of the manifold independently maintains constant pressure, increasing the overall reproducibility of analyte recoveries.



Vacuum Manifolds for Columns

Biotage® VacMaster™ Sample Processing Manifolds allow up to 10 (VacMaster-10) or 20 (VacMaster-20) SPE or filtration columns to be processed simultaneously under vacuum. Easy to use vacuum controls provide excellent sample flow control, leading to reproducible, reliable extraction conditions.



- ISOLUTE SPE Columns and 96-well plates
- ISOLUTE SLE
- ISOLUTE QuEChERS
- ISOLUTE Ion Exchange Columns & Plates
- ISOLUTE Specialty Columns & Plates
- EVOLUTE Polymeric Columns & Plates



Horizon
technology

a part of

Biotage®



COMPLETE SOLUTIONS FOR SAMPLE PREPARATION



SPE-DEX® 3100 Oil & Grease Automated Extractor

Compliant with EPA Method 1664A 1664B and APHA 5520G
Process samples simultaneously directly from original sample bottle
Accommodates a wide range of sample bottles
Regulates sample processing and disk drying times

Applications of SPE-DEX® 3100 Oil & Grease Automated Extractor

For extraction oil & grease from a wide range of clean and dirty aqueous samples
The Speed-Vap™ III Solvent Evaporation System provides safe and fast evaporation of n-Hexane solvent for oil & grease extractions.



EDINBURGH
INSTRUMENTS

RMS 1000 RAMAN MICROSCOPE



Applications

Forensics

Residue analysis e.g., explosives, drugs etc

Forensics

Inks & counterfeiting, Accelerant identification

Life Science

Tissue analysis e.g., disease grading, Cancer Cell

Life Science

Cell analysis e.g., live cell drug uptake monitoring

Polymers

Microplastics

Pharmaceuticals

API identification & concentration, drug uniformity

Gold Standard Diagnostics is a global network of companies with decades of experience on the test kit, reagent and instrument development and manufacturing market. We provide fast, reliable, and easy to use diagnostic assays and instruments in the fields of bioanalytical testing for the food, feed, environmental, biopharma, animal health and clinical industries.



Microgen Kits

Microgen Biochemical Identification

- Cost-effective and accurate
- Software available (MID60)
- No additional equipment needed (only incubator)

Microgen Latex Agglutination

- One of the most inclusive kits in the market
- Highly sensitive and specific

Microgen Path-Chek

- Repid and cost-effective
- Highly sensitive and specific



BACGro™ Culture Media

Set the Gold Standard for your Laboratory

- Easy to prepare media for pathogen screening
- Competitive pricing
- Consistency in results
- High standards in quality & performance
- Compliant with a wide range of reference
- Custom manufacturing & packaging solutions



ABRAXIS® Environment and Water Kits

We provide innovative, near real time, field and lab based testing solutions for water and environmental samples.

- Algal Toxins
- Pesticides (including Glyphosate)
- Industrial Chemicals / Hydrocarbons
- Markers for Bioactivity
- Surfactants
- Equipment



imChem HPLC columns



Our range of Surf, 3 μ m and 5 μ m analytical columns is dedicated to research and analysis. It is completed by a range of semi-preparative Surf columns, in 5 μ m and 10 μ m. In parallel, we offer a new analytical HPLC range, Shaper, in 3 μ m and 5 μ m, with higher resolution. To complete the range, we also have a range dedicated to scale-up, Coral, from 5 to 50 μ m.

imChem Vials and Filters



imChem GC Capillary Columns



All our columns are manufactured from a tube of fused silica, a material that is both extremely pure and possesses very strong chemical inertia. Its polyimide coating guarantees it the flexibility typical of capillaries used for gas chromatography.

We attach a great deal of importance to the selection of the tube, a stage that is critical for the rest of the process.

NeoSpectra™ by Si-Ware

Handheld NIR Analyzer



The rugged and easy-to-use handheld NeoSpectra Scanner brings lab-grade material analysis to measures protein, oil, moisture and more in seconds in the production line or field. Thousands of ready-to-use models from the NeoSpectra LabStore get you up and running quickly. Powered by the NeoSpectra Scan mobile application, you can be analyzing samples accurately only 3 easy steps:

1. Download the Scan Apps to mobile.
2. Connect scanner with Bluetooth
3. Select calibrations from the NeoSpectra LabStore and Ready!

The NeoSpectra Scanner is like a laboratory in your hand ready to bring instant insights into your processor production line to ensures reliable results from anywhere.

PETROLEUM AND PETROCHEMICAL TESTING EQUIPMENT



VISCOSITY



FLASH POINT



CENTRIFUGE



REID VAPOR PRESSURE



ASTM INTERNATIONAL

ASTM

FUELS

- Automotive Gasolines
- Aviation Fuels
- Biodiesel Fuels
- Burner, Diesel & Industrial Gas Turbine Fuels
- Diesel Fuels
- Fuels Oils
- Aviation Turbine Fuels Containing Synthesized Hydrocarbons
- Kerosene
- Liquefied Petroleum Gas (LPG)



SOFTENING POINT



FOUR BALL WEAR AND EP

LUBRICANTS

- Aircraft Engine Lubricant
- Automatic Transmission Fluid
- Automotive Engine Oil
- Automotive Lubricating Grease
- Gear Oils
- Hydraulic and Metalworking Fluids
- Steam Turbine Lubrication Oils
- Turbine Oils and Synthetic Lubricants



DISTILLATION



OXIDATION STABILITY



OIL SEPARATE

OTHER PRODUCT

- Bituminous Materials (Including Waxes)
- Electronical Insulating Oils
- Solvents



DUCTILITY



AUTOMATIC TITRATION

X-RAY FLUORESCENCE ANALYZER: EDXRF



LAB-X5000

- The easiest, fastest and more versatile LAB-X ever
- Software and hardware are optimized for high throughput testing
- User interface is inspired by our leading line of point and shoot handheld analyzers
- The large industrial-grade touch screen is resistant to chemicals and clearly displays results and controls
- Atmospheric compensation allows all measurements to be taken in air path, eliminating the cost of external gases
- LAB-X5000 complies with ASTM D4294, ISO 8754, ISO 20847 and IP 336.
- Suitable for Chemical, Petrochemical (Fuel, Lubricating), Cement, Mining, Si on paper and etc.



X-Supreme8000

- Minimal or no sample preparation
- Unattended operation, and it can be used by non-laboratory operators
- Focus SD technology for speed, accuracy and long-term reliability
- Flexibility to perform qualitative, semi-quantitative and full quantitative analysis
- X-Supreme8000 complies with ASTM D4294, ISO8754, ISO20847 and ISO13032 test methods
- Suitable for Chemical, Petrochemical (Fuel, Lubricating), Cement, Mining, Si on paper and etc.

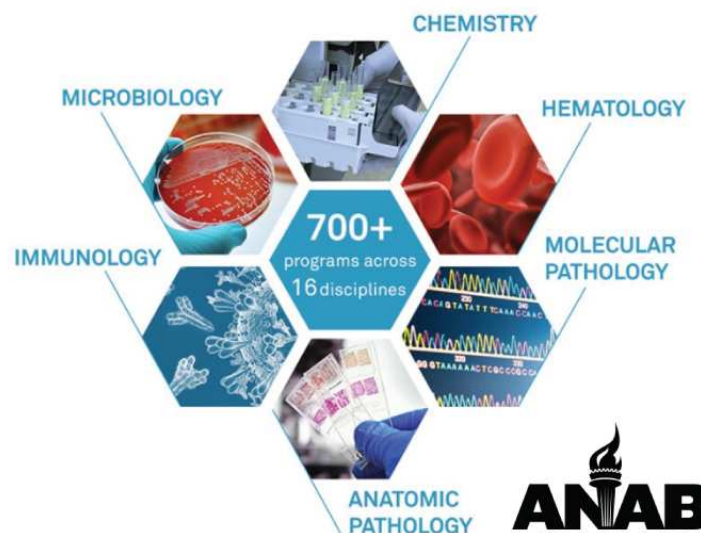


**COLLEGE of AMERICAN
PATHOLOGISTS**

Laboratory Quality Solutions

Proficiency Testing/External Quality Assessment (PT/EQA)

Performance you can measure.
Accuracy you can trust.



X-RAY INSTRUMENT FROM THERMO FISHER SCIENTIFIC



ARL™ EQUINOX 100 X-ray Diffractometer

Get a dedicated XRD instrument designed for QA/QC, academic, and routine X-ray diffraction applications with the compact, affordable Thermo Scientific™ ARL™ EQUINOX 100 X-ray Diffractometer. Occupying a third of the space of a conventional diffractometer, this stand alone, transportable benchtop instrument offers true flexibility. No external water cooling is required, and it plugs into a standard electrical power outlet.

ARL X'TRA Companion X-ray Diffractometer

Perfectly designed to be a cost-effective solution for routine QC/QA in industrial laboratories. Thanks to its state-of-the-art solid-state 2D detector, high resolution data is collected within minutes.

This robust and accurate benchtop X-ray diffractometer comes with one-click Rietveld quantification capabilities and automated result transmission to a LIMS, and it complies with international X-ray safety regulations.



Wavelength Dispersive XRF (WDXRF)

The Thermo Scientific™ ARL™ 9900 WDXRF Spectrometer provides all the benefits of wavelength dispersive x-ray fluorescence (WDXRF), one of the most versatile methods for elemental analysis of solids and liquids.

The system is available in four preconfigured packages specifically suited for analysis in the petroleum, cement and slags industries or for multi-purpose requirements in analytical laboratories.



ALPHA II

The FTIR spectrometer ALPHA II is the advancement of its very successful predecessor. The ALPHA II combines outstanding quality with compactness and user convenience. With its integrated touch panel PC and its intuitive OPUS Touch software, FTIR spectroscopy has never been easier. Technical innovations increase the ALPHA II's performance and robustness even further. The fully integrated design of the ALPHA II makes it perfect for efficient routine analysis and the quality control of industrial products.



INVENIO

INVENIO is the next generation intelligent R&D FTIR spectrometer. With the optional touch panel, the innovative MultiTect™ detector technology bearing up to 5 detectors, the Transit™ channel for quick MIR transmittance, the additional user exchangeable DigiTect™ detector slot, the novel optics design with many unique features for highest flexibility and performance, INVENIO R makes your daily work in demanding analytical and R&D application fields more enjoyable



LUMOS II

The LUMOS II FTIR microscope keeps following that creed. Its hardware, software and user interface were built around the idea, that even beginners should obtain exceptional results in a minimum amount of time. The motivation behind this is obvious: in order to benefit from its universal applicability, the user must first be empowered to take advantage of FTIR imaging and microscopy.



3D DIGITAL MICROSCOPE FOR TOTAL IMAGING SOLUTIONS

HiROX



HRX-01 / RX-100

- 1 - 10,000x Magnification
- 2D and 3D Measurement
- Point Height Measurement
- Volume and Area Measurement
- Roughness Measurement
- Auto Focus / Movie recorder
- Auto Calibration Select Sensor
- 360 Degree View Rotary Head
- Big Depth of Field
- Long Working Distance
- Continuously Zoom-in Focused
- Variable Observe Angle (25-55 Deg)
- Multi Layer Focus
- Live HDR & Automatic Optimisation
- New 5.0 Mega pixel CMOS chip supporting with 50 frames per second
- Running on 4K window PC
- Real-Time Measurement
- Anti-Vibration (Camera Stabilization)
- New Motorized Lenses

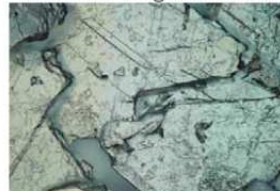
Material/ Failure Analysis



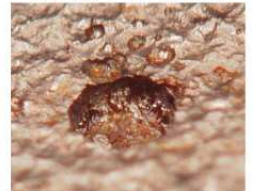
SMT / Semiconductor



Metallic Organization



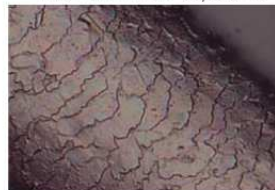
Metal Corrosion



Genetics



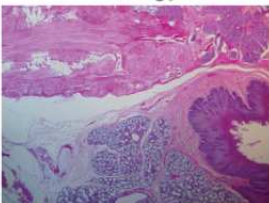
Human Hair 3,500x



Human Skin Hair



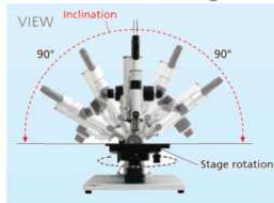
Biology



Non Contact Lens



Rotation Stage



360 Degree observation



Handy Contact lens



Applications

Forensic, Museum, Automobile, Gemology, Medical/Pharmaceutical, Petroleum Research , Borne Piece – Archaeology, Automobile, Mintage, Gemology, Agriculture, Quarantine, etc.

FORENSICS MICROSCOPE SYSTEM FIREARMS AND TOOL MARKS COMPARISON MICROSCOPE



The Leeds Discover-Z

Leeds, the Discovery-Z providing the motorization of both stages and the focus movement. These new stages allow the examiner to measure sample features in both the X and Y axis on both the left and right-hand stages. The Discovery-Z was designed to enhance the workflow for a firearms examiner. In addition, the Discovery-Z offers over 900 matched magnification set points and 23mm field of view.



Discovery-trace

Introducing the Trace-Z, a powerful trace evidence comparison microscope encompassing Zeiss optical components. The Trace-Z is designed for forensic science and other applications which require side-by-side comparison of various specimens. The Trace-Z, incorporating world-class optics, offers a unique, 23mm field of view, the largest field of view in the forensic marketplace. The Trace-Z can be configured for brightfield, darkfield, polarized light, phase contrast, fluorescence, and other contrast methods.



DIGITAL FORENSICS



The Industry Standard for Lawfully Accessing and Collecting Digital Data

Recover & analyze your evidence in one case



Streamline Your Video Acquisition and Analysis

Close cases quickly with reliable digital forensic investigation results



Forensic Image and Video Enhancement

FORENSIC SCIENCE



FUME CARE

The Cyanoacrylate Fuming Chamber is used to develop latent prints from non-porous surfaces in a controlled and safe environment. The ductless design allows immediate use. Simply plug-in and go.



Master&Twins Bullet Recovery Systems

The bullet recovery water system is used for the firearms identification.



BYDA

- Fingerprint powder
- Magnetic powder
- Fingerprint ink
- Footprint GEL
- Mikrosil casting putty kit



TRITECH FORENSICS

- Fiberglass latent print brush
- Flat camel hair latent print brush
- Rabbit latent print brush
- Latent print magnetic powder applicator
- Phenolphthalein blood test kit
- Single cardholder unit



CRIME SCENE INVESTIGATION EQUIPMENT

- Evident paper/plastic bag
- Evident tape, tag and seal
- Scale and measurement device
- Crime Scene Investigation protection



BLUESTAR® UNIQUE FORENSIC

- BLUESTAR® FORENSIC® Latent Blood Reagent
- BLUESTAR® OBTI® (formerly: Hexagon OBTI)



HEMASTIX PRESUMPTIVE BLOOD TEST

UV 900P / UV 900PV UV-VIS Spectrophotometer



Automatic eight cell holder



Long-path cell holder

The UV-900P/PV spectrophotometer is designed for pharmaceutical labs requiring high performance, and also compliant with the specifications required by pharmacopeia. The equipment features unique optical system 1200 lines/mm grating and an Ebert-Fastie monochromator system for high-resolution data in routine quality control and research applications.

MR-850 BioPlate Reader



Bioplate Reader MR-850 measures the absorbance with the intuitive touch screen. It provides reliable and qualified results by the high-quality photometer through the built-in powerful software. By the big 7" colorful touch screen, this system is expedient to users for simple operation. And the friendly visual users interface with the logical workflow ensure the excellent usability, making it ideal for qualitative and quantitative ELISA applications in the research laboratories.

Magnetic stirrer

Magnetic stirrer with Heating

เครื่องกวนสารละลายโดยใช้แม่เหล็ก พร้อมให้ความร้อน



RCT basic



RCT Control



RH digital



C-MAG HS 4



C-MAG HS 7

Incubator shakers

เครื่องเขย่าผสมสารพร้อมระบบควบคุมอุณหภูมิ



KS 3000 i control / ic control



KS 4000 i control / ic control

Rotary Evaporators

IKA's rotary evaporator's award winning design and performance will make a significant difference in your laboratory. The IKA range of RV 3, RV 8, RV 10 digital, RV 10 auto and Rv 10 auto pro rotary evaporators offers excellent distilling solutions to the demanding user. Value for money, design and technology - all for your convenience!



Pipettes

The IKA pipette portfolio consists of a total of 24 models: ten single-channel pipettes with fixed volume, eight with variable volume and six multichannel pipettes with 8 or 12 channels for precise pipetting in microtiter or deep-well plates. The dosing devices are available with volumes from 0.1 µl to 10 ml, offering the broadest possible flexibility for liquid handling in any modern laboratory. Three handles in different sizes and materials are included with each pipette. Ergonomic and precise liquid handling is thus guaranteed.



Environmental analysis

- › Nitroso
- › Dioxins
- › Furanes
- › Nonfood
- › Pigments
- › Nitramines
- › Microplastics
- › Phenoethoxylates
- › Plastic additives or raw materials

Food safety and hygienics

- › Toxins
- › Aroma
- › Colour
- › Vitamins
- › Parabens
- › Hygienics
- › Unsaturated
- › Fatty acids and derivative

Your
quality
is our
business

Food Safety
Toxicology
Environmental
Microplastics

Pharma/impurities and Toxicology

- › Steroids
- › nucleic acids
- › Cannabinoids
- › Forensic drugs
- › Plant chemicals
- › Nucleotide bases
- › Psychoactive drugs
- › Veterinary Medicine



FOOD ALLERGEN TEST KIT RANGE



Food Allergen ELISA KitII

A quantitative test kit based on enzyme-linked immunoassay with high sensitivity. To minimize a false negative risk, our original extraction solution is used in this kit. The extraction solution enables the kit to dissolve target proteins from both raw and processed matrix.



Rapid Test

A qualitative test kit based on lateral flow with easy handling. **Rapid Test Easy** can be used for environmental samples, such as swabs and rinse water. While **Rapid Test Proll** uses the same extraction solution as **Food Allergen ELISA KitII**. The kit is an easy to use on-site tool and all reagents are ready to use.

Instant Swab Total Protein

This kit is a swab test designed for the quick detection of protein residues. It can be used as an indicator for monitoring the cleaning process on cookware and food production lines. There is no need for special equipment and the preparation of any reagent. After swabbing the surfaces, you only need to soak the swab in the reagent to get the result. If there are proteins on the surfaces, the color of the wiped swab will be changed after soaking the reagent.





SAENGVITH SCIENCE CO., LTD.

123/4-5 Soi. Somdetphrapinklao 9, Somdetphrapinklao Road,
Arun Amarin, Bangkoknoi, Bangkok 10700 Thailand
Tel. : (+662) 886-9200-7 Fax. : (+662) 433-9168
E-mail : info@saengvithscience.co.th, saengvith.sc@anet.net.th
Website : www.saengvithscience.co.th