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SAENGVITH SCIENCE CO., LTD.

We are a trading and importing scientific instruments company that acts as the representative for many USA, European, and Asian companies.

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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

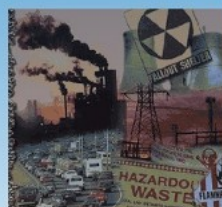
Proficiency testing (comparative testing) is an important way of meeting the requirements of ISO/IEC 17025, ISO1400 etc. in the area of quality assurance of laboratory results. It is also mandated by accreditation bodies that laboratories participate in proficiency testing programs for all types of analyses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



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 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 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

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



CHIRON
by ZeptoMetrix

REFERENCE MATERIALS

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

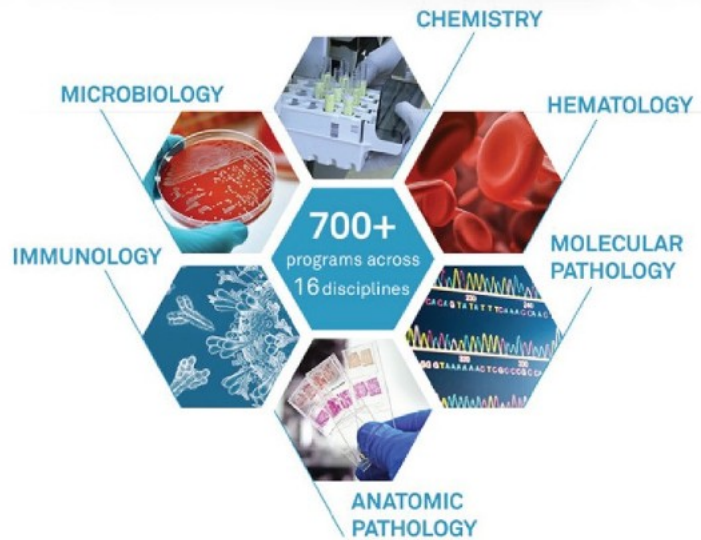




Proficiency Testing/External Quality Assessment (PT/EQA)



Performance you can measure.
Accuracy you can trust.



Anatomic Pathology Education Programs

- Quality Cross Check
- Point-of-Care Programs
- General Chemistry and Therapeutic Drug Monitoring
- Endocrinology
- Blood Gas, Critical Care, and Oximetry
- Toxicology
- Accuracy-Based Programs
- Instrumentation Verification Tools
- Hematology and Clinical Microscopy
- Reproductive Medicine
- Coagulation
- Microbiology
- Immunology and Flow Cytometry
- Transfusion Medicine, Viral Markers, and Parentage Testing
- Histocompatibility
- Genetics and Molecular Pathology
- Anatomic Pathology
- Forensic Sciences



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-X

The novaLUM II-X system brings together Charm's trusted ATP (adenosine triphosphate) detection technology and sophisticated new novaLINK 5 software to create a powerful system that makes sanitation verification, corrective action, and documentation easier than ever. In conjunction with Charm's PocketSwab Plus, FieldSwab, WaterGiene, and AllerGiene tests, the novaLUM II-X system is used for sanitation and allergen control, pasteurization verification, and pesticide screening. In just five seconds, the novaLUM II-X system is able to detect even the lowest levels of ATP contamination.



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 environmental testing

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

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



Proficiency Testing (PT) & Certified Reference Materials (CRM)

• LIFE SCIENCE PROFICIENCY PROGRAMS

MICROBIOLOGICAL PROFICIENCY: Food Pathogens, Seafood, Herbal Tea, Veterinary, Sterility, Pharmaceutical, Sludge

• ELECTRICAL PROFICIENCY TESTING :

BATTERY, CABLES, HEATING - SWITCHES , PHOTOVOLTAICS / SOLAR

• CERTIFIED REFERENCE MATERIALS

MICROBIOLOGICAL: Food Matrix, Water, Hygiene



Biometrics products are a good reputation and advanced designing for the clinical diagnosis and life science. To ensure premium quality, business processes and quality control strictly follow up the ISO 9001 quality management system. Mostly of our products are designed with RoHS complied and CE marked.



UV-Vis Spectrophotometer

- UV 600P & UV 600PV
- Double beam spectrophotometer
- Wavelength range: 190-1100 nm
- Bandwidth: 1 nm (UV 600P) / 0.5, 1, 2, 4, 5 nm (UV600PV)
- Display : Android Tablet
- Application: Photometry, Quantitative, Multi-wavelength, Wavelength scan, DNA/Protein and Kinetics, Custom formula and User center.
- Compliance: GLP/GMP, FDA 21 CFR Part 11 (Optional)



Microplate Reader (MR-1000S Bioplate Reader)

- 10-inch touch screen
- 96 and 384 well
- Full wavelength 200-1000nm with 1nm increment
- Xenon flash lamp with long lifetime
- 2 silicon photoelectric detector, one for measurement and another for reference
- 3 options shaking speed
- Incubator function: ambient +5°C to 45°C
- Integrated software or PC control software



Microwave Digestion System (LAVAwave Series)

- A magnetron delivery of 1000W that can adjustable
- The volume of cavity is 42L which can match for 6/8/10/12 vessels
- 316L stainless steel with Teflon coating inner cavity
- Contactless IR temperature and pressure measure of each vessels in real-time
- Maximum tolerance temperature is 400°C and pressure is 400 bar
- Vessel material is TFM and 100mL volume.



Benchtop High Speed Centrifuge & Refrigerated Centrifuge

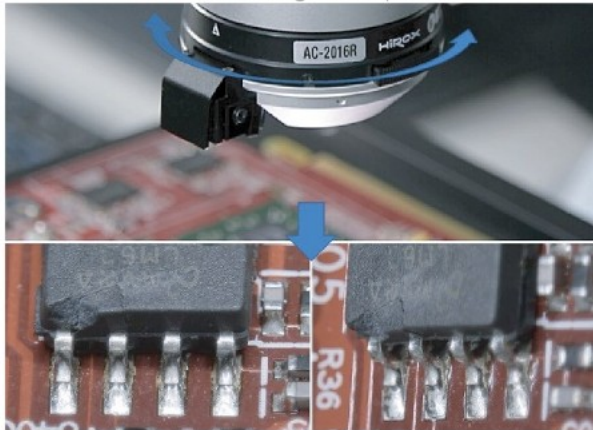
- Maximum speeds of 21000 rpm (31405 xg) with fixed-angle rotors, and 4500 rpm (3735 xg) with swing out rotors.
- It supports a wide range of sample volumes — up to 6 x 100 ml for fixed-angle and 4 x 750 ml for swing-out rotors.
- The LCD touch screen provides intuitive operation, displaying rotors number, speed (RPM or RCF), running time, temperature, acceleration, and deceleration settings.
- Quick spin and pre-cooling function to maintain the chamber and rotor at the ideal temperature.
- Customize and store up to 1,000 User-Defined Programs and 100,000 past run records
- Refrigerated temperature able to set from -20°C to 40°C with 1°C increment
- Aluminum alloy fixed angle rotor; Steel/Stainless steel swing out rotor. Both are fully autoclavable

- 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

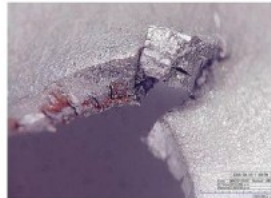


DIGITAL MICROSCOPE **HRX-02**

PCB 360 Degree Inspection



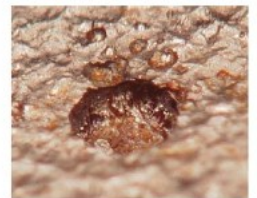
Material/ Failure Analysis



Flower



Metal Corrosion



Insect



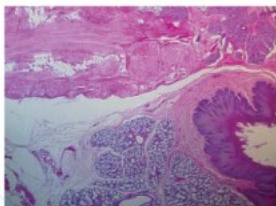
Human Hair 3,500x



Textile



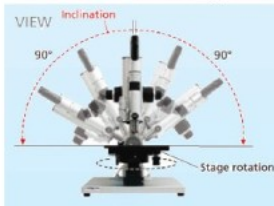
Biology



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.

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

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

Freezer Mill CG-200



Freezer Mill CG-400



Freezer Mill CG-500



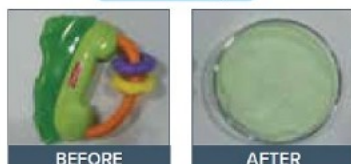
What is Cryogenic Grinding?

- 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)

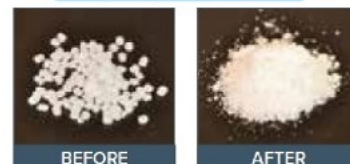
Plastic Toys



Dog Treats



Polyethylene Beads



Mixer Mill 8000D
BM-450

Easily pulverize hard or brittle samples to analytical fineness in minutes. Grind rocks, minerals, grains, pharmaceuticals, plant and animal tissue, cement, and ceramics



X-Press
XP-400

Hydraulic laboratory pellet press is an automatic and fully programmable pellet press designed for repetitive pressing of sample pellets for XRF, IR, and other analytical techniques.



Enclosed Shatter Box
SM-200

ShatterBox® ring and puck mill is ideal for pulverizing dry, brittle samples and slurry grinding. To use, place your sample between the puck and the wall of the grinding container, place the clamp over the container



GENO/GRINDER® HG-600

The HG-600 Geno/Grinder® 2010 high-throughput homogenizer and cell lyser is designed for rapid cell disruption of plant and animal tissue through bead beating. Accommodates full range of sample vials from 2 to 50 mL

- Fast and efficient extraction of nucleic acids, proteins, and other molecules
- Pesticide extraction and other food analysis
- Plant and animal research, Pharmaceutical, DNA extraction
- Cryo accessories for low temperature.



MiniG HG-400

The HG-400 MiniG® is small yet powerful tissue homogenizer and cell lyser. The adjustable clamp can handle sample vials from 2 mL to 50 mL or up to two deep-well microplates. Using the bead beating method, it is designed for

- rapid cell disruption, cell lysis, and tissue homogenization.
- DNA/RNA research and extraction, protein extraction, biofuel research, and pesticide residue extraction via the QuEChERS or SWeET method.
- The grinding process is visible through the see-through lid window



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
- Safety - automated dispensing of liquid nitrogen eliminates the handling and manipulation of liquid nitrogen (patent pending)
- 230 VAC operation

Spelt Seed

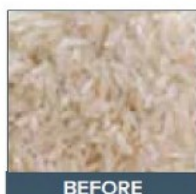


BEFORE



AFTER

Rice



BEFORE



AFTER

Cannabis



BEFORE



AFTER



Biotage® PrepXpert-8

Automated Sample Preparation

Biotage® PrepXpert-8 is a fully automated 8-channel sample preparation chemistry system designed to simplify and accelerate high-throughput workflows in environmental from PFAS analysis to general-purpose semi-volatile organic compounds (SVOC) workflows, without compromising performance or flexibility.

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® Extrahera™ Classic

Automated Sample Preparation with optional GLP Software Package

Biotage® Extrahera™ is an automation system for sample preparation methods, and does it with engineered precision. Extrahera™ is a powerful, user friendly automation system for Supported Liquid Extraction (SLE), Solid Phase Extraction (SPE), Phospholipid Depletion (PLD) and Protein Precipitation (PPT) based methods, in plate or column formats. Creating a method is simpler than ever. The clean and simple user interface delivered with Extrahera makes setting up your system a an easy task.





Biotage®



a part of



Biotage® Horizon 3100 Oil & Grease Extractor A Complete Solution for Oil & Grease Analysis



The Biotage® Horizon 3100 Oil & Grease Extractor automates the entire extraction process and is fully compliant with US EPA Method 1664A/B and Standard Methods 5520G. Process samples simultaneously directly from original sample bottle. Accommodates a wide range of sample bottles.

For extraction oil & grease from a wide range of clean and dirty aqueous samples. The Speed-Vap IV Solvent Evaporation System provides safe for oil & grease extractions.

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.



SPE & SLE Consumable Parts

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





The Power of Precision

Triple Quad System



QTRAP System



ZenoTOF System



QTOF System



MASS SPECTROMETER

• SCIEX ZenoTOF Systems

Driven by the power of the Zeno trap coupled with electron activated dissociation (EAD) fragmentation technology, the ZenoTOF product family unlocks sensitivity gains allowing you to uncover new information for certainty in your results to make better-informed decisions, faster.

• X500R QTOF System

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

THE NOVUS V55 System



• The novus V55 system

The novus V55 system is the fifth-generation triple quadrupole mass spectrometer built to help accelerate output, with reliable performance that supports smooth and consistent laboratory operation.

• Triple Quad Systems

SCIEX technology optimizes tandem mass spectrometry to keep your lab running at maximum productivity.

These systems enable scientists to acquire multiple reaction monitoring (MRM), precursor, neutral loss, and product ion scans to develop powerful methods for complex matrices, all while maintaining reproducibility and robustness.

• QTRAP System

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

• Triple Quad 7500+ LC-MS/MS System – QTRAP Ready

The SCIEX 7500+ system takes precision quantitation to the next level. Achieve accurate results over sustained periods of time, across thousands of sample sets in increasingly complex matrices. Studies can be delivered in shorter timelines with the confidence to tackle new and emerging challenges. Maintain our highest levels of sensitivity for up to twice as long in complex matrices, and develop resilient assays for even the most complex matrices. Increase the scope for large MRM panels with our fastest triple quad ever and take control of your instrument downtime with front-end user serviceability.

APPLICATION :

- Environmental
- Metabolisms
- Clinical Research

- Food & Beverage
- Technology
- Drug Discovery

- Lipidomics
- Forensic Drugs Testing
- Proteomics

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.

Our HPLC columns have been designed and manufactured by Imtakt Corporation with exceptional craftsmanship and decades of industry experience. Our columns give chromatographers high resolution for unique problems.

Imtakt offer a wide variety of unique stationary phases to help you toward solutions for your challenges.



General Lab supplies and Plasticware



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.

Imtakt



GVS produces a wide range of filter materials, filters and off-the-shelf components in all its divisions, enabling its customers to reduce the design time for new product launches.

- Sample Preparation products: Syringe Filters, Vacuum Filtration, Centrifuge Filters, Filter Holders, Micro-Filter Plates etc.
- Labware products: Erlenmeyer Flask, Centrifuge Tube, Serological Pipette, Cuvettes, Petri Dish Plate etc.
- Cell and Tissue Culture Products
- Disc and Sheet membranes Products
- Liquid Handling Products: FLAME Pette, Pipette Tips, Dispenser Tips, Pasteur Pipette, Pipette Controller

Currently, HPLC is widely used in the chemical, biological and pharmaceutical fields. GVS three HPLC series include silica and polymer matrix columns, both analysis and preparative columns, to meet needs of customers in various fields.

PETROLEUM AND PETROCHEMICAL TESTING EQUIPMENT



Loss on Heat
Thin Film Oven



Semi-Automatic
Ductility Testing Machine



Flash Point



Centrifuge



Digital Penetrometer



Automated Air
Release Value Analyzer



ENVANTAGE -ESD

ESD Octane Analyzer System



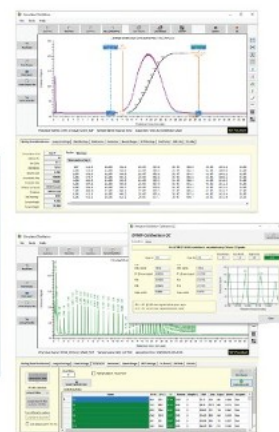
LABORATORY SYSTEMS

SEMI AUTO SYSTEMS

ONLINE SYSTEMS

- Falling Level Technology
- Automates Octane Determination
- Supports Manual Procedures
- Automatic Temperature Control
- LIMS Communications
- Disaster Recovery
- Redundant Server Standard
- Modbus Communications
- SQC

ENVANTAGE -Software



Dragon II (DHA, Simdis and MergeIT)
for gas chromatography application analysis
of petroleum products

X-RAY FLUORESCENCE ANALYZER: EDXRF



LAB-X5000



X-Supreme8000

- 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.

- 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.



Orbis 2 Plus Micro-XRF Analyzer

The **Orbis 2 Plus Micro-XRF Analyzer** is an upgraded model that is exceptionally well suited to analyze smaller samples or make faster measurements. The instrument is delivered with an advanced, LN-Free X-ray silicon drift detector (SDD), enhanced color video camera with 3x digital zoom, and a smallest 300 µm monocapillary standard. The Orbis PC's sample positioner has an upgraded XYZ stage with higher-precision sample positioning.

Standard Orbis PC components include: Rh tube (50 kV, 50 W)

- Rh tube (50 kV, 50 W)
- 30 µm ultra-high intensity poly-capillary optic (optional)
- Automated primary beam filter system (Open position, 6 filters, Shutter)
- Dual CCD cameras: 10x color; 100x color (3x digital zoom)
- Advanced 50 mm² Silicon Drift Detector (SDD), Be or C5 window for low energyline detection - No liquid cryogen cooling required
- High precision computer-controlled XYZ stage
- Sample chamber: vacuum or air (He optional)
- Chamber Scope for viewing sample and control
- Stage control and Image based navigation
- Operating SW with automated analysis and quantification routines including:
 - Fundamental Parameter analysis with or without standards
 - Trace element Fundamental Parameters quantification in low Z matrices
 - Data collection modes : Spectrum acquisition, Line scan, Mapping



Application : Forensics, Gem and Jewelry, Metal, Electronic parts, Industrial QC, Glass, Ceramic, Geology and more

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



MAGNET AXIOM CYBER™

Correlate evidence from mobile, computer, and cloud

MAGNET WITNESS™

Recover and analyze CCTV footage without passwords



MSAB XRY

Extract, decrypt, and analyze mobile data securely

OPENTEXT ENCASE FORENSIC

Trusted standard in digital evidence collection and analysis



BELKASOFT EVIDENCE CENTER X

All-in-one forensic analysis made fast and simple



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

Mobile Lab

Turnkey Mobile Laboratory Customization and Engineering

A downsized scientific or analytical laboratory integrated into a vehicle, enabling immediate on-site sample testing and data analysis

► Instant On-Site Analysis

► High Mobility and Accessibility



ALPHA II

ALPHA II Compact FT-IR Spectrometer
Dedicated to rapid routine chemical analysis with maximum user convenience and reliability. Compact form factor paired with benchtop QC performance.



INVENIO

INVENIO FT-IR Spectrometer Platform
Anytime upgradeable FTIR spectroscopy platform for advanced quality control, analytical service and multi spectral research applications.



LUMOS II

MOBILE-IR II Portable FT-IR Spectrometer
A mobile FT-IR spectrometer with true laboratory performance that you can take anywhere. Even on the road, you never have to sacrifice performance or compromise on reliability or spectral quality.





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