



The  
Scientific  
Group



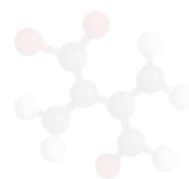
# SCIENCE PORTFOLIO

BECAUSE **LIFE** MATTERS...

Tel: +27 11 568 9047 | Email: [sales@scientificgroup.com](mailto:sales@scientificgroup.com)

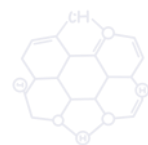
## Laboratory Consumables

- **PLASTICWARE** · Pipette Tips · Tubes · Microplates · Containers · Bags · Bottles · Plates
- **CELL CULTURE** · Flasks · Dishes · Media · Cryogenic Storage
- **MEDIA AND SERA** · Cell Culture Media · FBS · PBS · Cell Culture Reagents · Specialty Media
- **FILTRATION** · Full Vacuum Units · Syringe Filters · Bottle Top Filters
- **MOLECULAR** · PCR Plates · PCR Tubes · Strip Tubes · Sealing Film
- **PERMEABLE SUPPORTS, SURFACES AND ECM's**
- **BIOPROCESS** · Roller Bottles · HYPERStack Flasks · Erlenmeyer Flasks · CellSTACK Spinner Flasks · Microcarriers · Single-Use Technology Bags · Closed System Bottles
- **GLASSWARE** · Beakers · Cylinders · Bottles · Dishes · Flasks · Tubes · Funnel · Pipettes



## Laboratory Equipment

- **CELL COUNTER**
- **CENTRIFUGES**
- **LIQUID HANDLING** · Pipettes · Bottle Top Dispensers
- **AGITATION EQUIPMENT** · Shakers · Rotators · Vortexes · Mixers · Rockers
- **CONSTANT TEMPERATURE** · Dry Baths · Water Baths · Incubators · Hotplate Stirrers
- **MOLECULAR BIOLOGY** · Thermal Cyclers · Electrophoresis Units · Gel Documentation Systems · Plate Sealers



## Invitak Diagnostics



- Sample Collections and Stabilization Solutions
- Nucleic Acid Extraction, Purification and Clean-Up Kits (DNA/RNA)
- PCR Assays - Human Diagnostic (Infectious Diseases, Genetic Testing, Oncology), Microbiome, Animal Health, Life Sciences, Food Testing (Allergens, GMO & Pathogen Detection)



## UK Neqas



External Quality Assessment



## MRC Laboratory Instruments



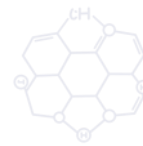
- CO2 Incubators
- Calorimeter
- Desiccators
- Elisa Microplate Reader / Washer
- Flame Photometer
- Food Analyzer
- Freeze Driers
- Furnace
- Gas Burner
- Glassware Washer
- Heating Mantles
- Ice Maker
- Incubators
- Ovens
- Overhead Stirrer
- Peristaltic Pumps
- Shaking Incubators
- Vacuum Pumps



## Elektronika



Urine Chemistry & Sediment Analysis  
*Fully Automated & Semi-Automated*



LabUMat 2 & Urised 3 Pro



Urised Mini



LabUReader Plus 2

## SG Vac

*Blood Collection Tubes and Needles*



## Statebourne



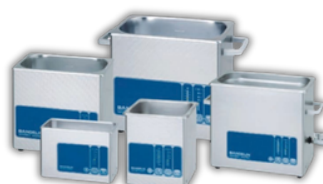
- Cryogenic Storage Tanks
- Dewars
- Dry Shippers
- Nitrogen Gas Generators
- Liquid Helium Storage Tanks



## Bandelin



- Ultrasonic Baths
- Ultrasonic Homogenizers
- Sonoreactors





## Horiba Medical

- Hematology Analyzers
- Semi and Fully Automated Hemostasis System
- Chemistry Analyzers



## Sakura

*Histology & Cytology*



- Grossing Blades / Microscopy Blades/ Industrial Blades
- Cassette Printing
- Tissue Processing
- Tissue Embedding
- Microtomy
- Staining & Coverslipping (Film/Glass)
- Cryostat
- Cytotek Centrifuge
- Cassette & Slide Storage



## Feather Blades

- Histology Blades & Biopsy Punches
- Industrial Blades
- Ophthalmology Blades
- Dental and Surgical Blades



## GONOTEC GmbH

AN ELITECHGROUP COMPANY

**Freezing Point Osmometer**



**GONOTEC GmbH**  
AN ELITECHGROUP COMPANY

## Nova Biomedical

*Cell Culture Analyser*



## Orto Alresa

**orto**  
**alresa**  
About centrifugation

- Centrifuges
- Sieve Shaker and Sieves
- Ball Mills
- Distillers





## KW Apparecchi Scientifici



- Refrigerators
- Freezers, including Plasma Shock Freezers
- Plasma & Stem Cell Thawers
- Platelet Incubators & Agitators



## BioAir



- Class II Microbiological Safety Cabinets
- CO2 Incubators
- Extractor Hood

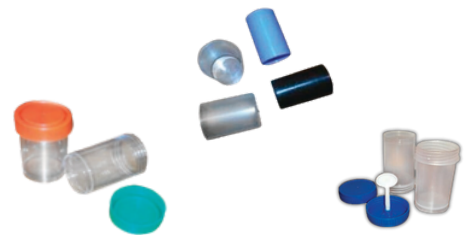


## T&C Plastics

- Specimen Jars: 35ml, 40ml & 150ml
- Scoop Jars: 35ml & 40ml
- Test Tube Covers: 16mm & 20mm
- Cotton Swabs: Plastic & Wood Shaft
- Oropharyngeal Swabs: Cotton & Rayon
- Nasopharyngeal Flock Swabs



TCP



## Avantor (VWR)



### EQUIPMENT - BALANCES

- Analytical Balance
- Semi-micro Balance
- Precision Balance
- Moisture Balance
- Calibration Weights



### MEDIA FOR MICROBIOLOGY

- Hardy Diagnostics

## Bioperfectus



- Nucleic Acid Extraction Solution
- Real-Time PCR System
- Research and Diagnostic Assay



SSNP-2000B



STC-96A



Sony Biotechnology delivers flow cytometry and imaging instrumentation, reagents and services to accelerate life science discovery through innovation and ease of use.

SA3800

*Spectral Analyzer*



ID7000

*Spectral Analyzer*



MA900

*Multi-Application Cell  
Sorter*



*Monoclonal Antibody  
Products*



## Challenbio

Beijing Challen Biotechnology Co., Ltd. (Challenbio) is a leading biotechnology manufacturer specializing in flow cytometers and biomedical solutions.



We offer integrated instruments, reagents, including the LongCyte®/FongCyte™ analytical series, the full-spectrum CytoStellar™, automated sample preparation systems, and consumables.



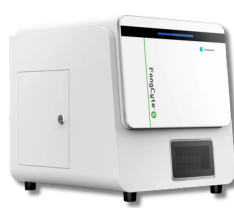
CD4 kit



*LongCyte®  
CE-IVDR 3-Laser  
Flow Cytometer*



*FongCyte™  
RUO 3-Laser  
Flow Cytometer*



*FongCyte™ S  
4-Laser Microparticle  
Flow Cytometer*



*CytoStellar™  
Full Spectrum Flow  
Cytometer*

## Abbott

**Vysis DNA FISH Probes**



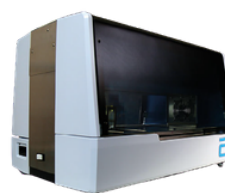
### **ThermoBrite Slide Processing System**

A temperature-programmable, humidity-controlled instrument designed to automate denaturation and hybridization steps for Fluorescence In Situ Hybridization (FISH).



### **VP2000 Processor**

Automate and standardize slide specimen processing, including deparaffinization, FISH\* pretreatment and enzymatic digestion.



- Azure Biosystems – Biomolecular imager, Gel Imager, Microplate Readers, Protein Gel Electrophoresis
- Cole Parmer – Hotplates, Digital Colony Counter, Spectrophotometer, Thermal Cyclers, Incubator, Shaking Water Bath
- FALC – Autoclaves, Incubators
- InnovaPrep – Air Samplers, Concentrating Pipette
- LTek – Microplate Readers, Microplate Washers
- Meslo – mobile pH meters, Nano Spectrophotometer



## NZYtech

### Molecular Diagnostics



- DNA & RNA Purification
- End-Point PCR
- Real-time PCR
- cDNASynthesis
- Restriction Enzymes
- DNA & RNA Modifying Enzymes
- Agaroses & Buffers
- Ladder & Markers
- Masters
- DNA Cloning and Mutagenesis Kit



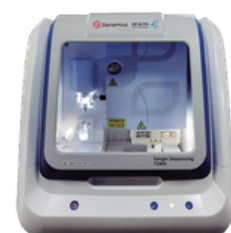
## Genemind



### T2400 Sanger Sequencing

#### *High-throughput Sanger sequencing and fragment analysis platform*

- 24-capillary system with advanced 8-colour fluorescence detection.
- Processes up to 192 samples per run.
- Delivers throughput of up to 900 samples in 24 hours.
- Ideal for high-volume clinical, research, and diagnostic laboratories.



**T2400**





### **FASTASeq 300**

A desktop high-throughput sequencing platform designed for targeted sequencing and whole-genome low-pass sequencing. Innovative sequencing chemistry, high-density flow cells, advanced fluidics, and optimized base-calling algorithms provide greater flexibility, consistent data quality, and rapid delivery of high-quality results.

#### Applications:

- NIPT Plus
- Whole Genome Sequencing (30X)
- Oncology Panels (30-gene tissue panels)
- Small Genome Sequencing (Bacteria)
- Targeted NGS (Probe Capture-Based)
- PGT-A
- Carrier Screening
- Whole Exome Sequencing (100X)
- RNA-Seq (Transcriptome, lncRNA)
- Methylation Analysis



**FASTASeq 300**

### **SURFSeq 5000**

A benchtop high-throughput sequencing platform offering fast turnaround times, excellent data quality, and low operational costs. Suitable for a broad range of research and clinical applications including genomics, transcriptomics, methylation studies, and targeted sequencing.

#### Applications:

- Reproductive Health
- Genetic and Rare Disease Research
- Pathogen Detection
- Oncology
- Animal Genomics
- Agricultural Genomics



**SURFSeq 5000**

### **FASTASeq S**

An ultra-high-speed sequencing platform delivering results from library preparation to data output in:

- 2 hours (SE50)
- 3 hours (SE100)
- 6.8 hours (PE150)

The system combines advanced fluidics, a novel enzymatic reaction system, AI-powered base-calling, and optimized flow cell amplification to provide fast, accurate, and high-quality sequencing data.

#### Applications:

- Small Oncology Panels (Tissue)
- Small Oncology Panels (Plasma)
- NIPT Basic
- Targeted NGS (Probe Capture-Based)
- HLA Typing



**FASTASeq S**

## Sequencing Platforms Continued..

### ***SURFSeq Q***

An ultra-high-throughput sequencer capable of generating up to 9 Tb of data per day in a single run. By integrating high-speed chemistry, patterned flow cells, and AI-driven base recognition algorithms, SURFSeq Q achieves Q40  $\geq 90\%$  with exceptional throughput and accuracy.

Applications:

- Whole Genome Sequencing (WGS)
- Single Cell Analysis
- ctDNA Analysis
- Whole Exome Sequencing (WES)



***SURFSeq Q***

### ***GenoLab M***

A high-throughput sequencing platform utilizing SURFseq technology and sequencing-by-synthesis chemistry to deliver fast, flexible, accurate, and cost-effective sequencing. The system can operate with one or two flow cells simultaneously, providing outputs ranging from 37 Gb to 300 Gb per run.

Applications: Sequencing Platforms

- NIPT Standard
- PGT-A
- WES
- RNA-Seq
- mNGS



***GenoLab M***

## Automation & Sample Preparation

### ***MrLH-96 Automated Workstation***

Designed for automated high-throughput nucleic acid extraction, NGS library preparation, and liquid handling workflows. Features automated consumable stacking, precise temperature control (4°C to 70°C), and customizable workflow scripting.

Key Features:

- Highly automated with minimal operator intervention
- Easy integration with LIMS
- Compatible with Inheco Temperature Control Modules



***MrLH-96 Automated Workstation***

## Automation & Sample Preparation Continued..

### ***GenoScout EM Automated Nucleic Acid Extractor***

A high-throughput automated extraction system designed for purification of nucleic acids from blood, tissue, cells, body fluids, bacteria, and viruses using superparamagnetic silica-coated magnetic bead technology.

#### Key Benefits:

- High precision and throughput
- Rapid and user-friendly operation
- High level of automation
- Suitable for molecular diagnostics and animal disease testing



***GenoScout EM Automated Nucleic Acid Extractor***

---

## Nucleic Acid Fragment Analysis

### ***NanaLyzer 96***

Advanced nucleic acid fragment analyzer for rapid and accurate DNA/RNA quality assessment.

#### Key Features:

##### Swift

- 16 samples analysed in 8 minutes
- 96 samples analysed in 45 minutes

##### Convenient

- No gel preparation required
- One-click operation with no complex parameter settings
- Streamlined sample preparation workflow

##### Flexible

- Compatible with 1-96 samples per run
- On-demand lane activation reduces waste
- Customizable analysis outputs

##### Precise

- Independent sample loading to prevent cross-contamination
- High sensitivity for picogram-level DNA/RNA detection



***NanaLyzer 96***



## Immunochemistry

### AutoLumo S900

The AutoLumo S900 is a compact, space-saving automated Chemiluminescence Immunoassay (CLIA) analyzer that delivers up to **180 tests per hour** and supports **150+ clinical assays**, including infectious disease, hormone, cardiac marker, and tumour marker testing.



AutoLumo S900

### AutoLumo A2000 Plus

The AutoLumo A2000 Plus is a fully automated Chemiluminescence Immunoassay (CLIA) analyzer for high-volume laboratories, offering throughput of up to **200 tests per hour**, a **100-sample loading capacity**, first results in just **19 minutes**, a comprehensive menu of routine and specialised assays, and **continuous sample and reagent loading** for uninterrupted workflow.



AutoLumo A2000 Plus

### AutoChem B861

The AutoChem B861 is a fully automated chemistry analyzer that performs up to **800 photometric tests per hour**, features an advanced optical system, smart software for automatic abnormality detection, dilution and retesting, integrated reagent refrigeration, and a comprehensive test menu covering biochemistry, cardiac markers, tumour markers, inflammation markers, electrolytes, and more.



AutoChem B861

## Microbiology

### Blood Culture Systems

#### Autobio BC60

The BC60 is a compact automated blood culture system with a **60-bottle capacity**, designed to deliver rapid and reliable microbial detection through intelligent analysis, advanced data management, and high-performance culture technology. The system can integrate up to **5 units** to reach a maximum onboard capacity of **300 bottles**.



BC60

#### Autobio BC120 Plus

The BC120 Plus is an automated blood culture analyzer with a **120-bottle capacity**, offering fast microbial detection, enhanced sensitivity, and efficient workflow management for modern laboratories. The system can integrate up to **5 units** to reach a maximum onboard capacity of **600 bottles**.



BC120 Plus



### Automated Culture Plate Inoculation

#### AutoStreak S1800

The AutoStreak S1800 is an automated microbial sample pretreatment and inoculation system that standardizes specimen processing, barcode tracking, and culture plate inoculation, helping laboratories improve efficiency, reduce contamination risk, and deliver more consistent microbiology results.



AutoStreak S1800

### MALDI-TOF

#### Autof TX8 (Clinical Use Only)

The Autof TX8 is a compact MALDI-TOF mass spectrometry system that provides rapid and accurate microbial identification through an advanced database, intelligent touchscreen operation, and portable all-in-one design.



Autof TX8

#### Autof MS Range (Clinical and/or Research Use)

The Autof MS range provides rapid and accurate microbial identification using advanced MALDI-TOF mass spectrometry, extensive microbial databases, and intelligent analysis software to improve laboratory efficiency.



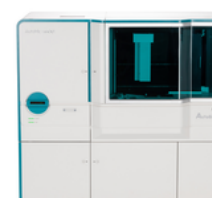
Autof MS2000

| Autof MS Compare                                                                                                                                                    |                                                                                                                                                                     |                                                                                                                                                                        |                                                                                                                                                                         | Autobio                                                                                                                                                                 |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                  |                                                                                                                                                                     |                                                                                                                                                                        |                                                                                                                                                                         |                                                                                                                                                                         |  |
| 01                                                                                                                                                                  | 02                                                                                                                                                                  | 03                                                                                                                                                                     | 04                                                                                                                                                                      | 05                                                                                                                                                                      |  |
| <b>Autof MS 600</b><br><i>Base version</i>                                                                                                                          | <b>Autof MS 1000</b><br><i>Standard version</i>                                                                                                                     | <b>Autof MS 1600*</b><br><i>Standard plus<br/>International push</i>                                                                                                   | <b>Autof MS 2000</b><br><i>Performance version</i>                                                                                                                      | <b>Autof MS 2600</b><br><i>Performance plus</i>                                                                                                                         |  |
| <ul style="list-style-type: none"><li>• External oil mechanical pump + internal molecular pump</li><li>• 337nm gas laser</li><li>• Autof database support</li></ul> | <ul style="list-style-type: none"><li>• External oil mechanical pump + internal molecular pump</li><li>• 337nm gas laser</li><li>• Autof database support</li></ul> | <ul style="list-style-type: none"><li>• Internal oil-free membrane pump + internal molecular pump</li><li>• 337nm gas laser</li><li>• Autof database support</li></ul> | <ul style="list-style-type: none"><li>• Internal non-oil membrane pump + internal molecular pump</li><li>• 355nm solid laser</li><li>• Autof database support</li></ul> | <ul style="list-style-type: none"><li>• Internal non-oil membrane pump + internal molecular pump</li><li>• 355nm solid laser</li><li>• Autof database support</li></ul> |  |
| <ul style="list-style-type: none"><li>• Paid database upgrade</li><li>• 250-260 sample/h</li></ul>                                                                  | <ul style="list-style-type: none"><li>• Optional AST function</li><li>• 300 sample/h</li></ul>                                                                      | <ul style="list-style-type: none"><li>• Nucleic acid, AST function</li><li>• Positive and negative ion mode</li><li>• 300 sample/h</li><li>• Ion screening</li></ul>   | <ul style="list-style-type: none"><li>• Optional nucleic acid, AST function</li><li>• 960 sample/h</li></ul>                                                            | <ul style="list-style-type: none"><li>• Nucleic acid, AST function</li><li>• Positive and negative ion mode</li><li>• 960 sample/h</li><li>• Ion screening</li></ul>    |  |
|  Demagnetized stainless steel flight tube                                        |                                                                                                                                                                     |  Titanium alloy flight tube that minimally affect ion flight                        |                                                                                                                                                                         |                                                                                                                                                                         |  |

### Microbial Identification and Antibiotic Susceptibility Testing

#### AutoMic i600

The AutoMic i600 is an automated microorganism identification and antimicrobial susceptibility testing (ID/AST) analyzer that delivers rapid identification of clinically important bacteria and fungi, including E. coli, Staphylococcus, Streptococcus, Pseudomonas, and Candida species, together with reliable antibiotic susceptibility testing.



AutoMic i600

## Imaging and Analysis Solutions

### Karyotype and FISH Applications

BioView provides innovative automated cell imaging and analysis solutions for use in cytology, cytogenetics, and pathology laboratories.

- Manual, Semi-Automated and Automated Imaging Systems
- Metaphase Detection and Capture
- Automated Analysis and Report



Accord BX43



Accord



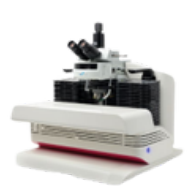
Accord Plus



Allegro Plus



Duet-3



Encore

Manual imaging

Semi-Automated Imaging

Automated - Unattended Imaging systems

## ELK Biotechnology



ELK Biotechnology specializes in the production of ELISA kits, antibodies and molecular biology reagents (DNA, RNA extraction kits and PCR-related reagents). Has about 8500+ ELISA kits, 11000+ antibodies, 60+ molecular biology reagents and cell experiment related products.



### Molecular Biology

- Nucleic acid extraction
- RT-PCR
- Molecular cloning
- SNP typing
- RNA interference
- Molecular hybridization
- DNA methylation
- RACE
- sgRNA design
- Crispr/Cas9



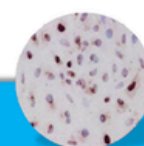
### Cell Biology

- Cell culture
- Flow cytometry
- Cell proliferation activity
- Transwell invasion migration
- Adhesion assay
- Cell transfection
- MTT assay
- Colony formation assay
- Dual-luciferase assay
- Retroviral packing assay
- Lentiviral packing assay



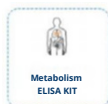
### Immunology

- Co-IP
- ELISA assay
- EMSA assay
- WB assay
- Immunohistochemistry
- Immunofluorescence



### Pathology

- Tissue embedding
- Paraffin section
- Photograph
- Pathologic analysis
- He dyeing
- Other special dyeing
- IHC
- Immunofluorescence (IF)
- Tumor assay
- Transmission electron microscope



Metabolism  
ELISA KIT



Microorganism  
ELISA KIT



Cell Biology  
ELISA KIT



Signalling  
ELISA KIT



Epigenetics &  
Nuclear Signaling  
ELISA KIT



Cancer & Tumors  
ELISA KIT



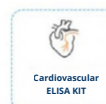
Immunology  
ELISA KIT



Neuroscience  
ELISA KIT



Stem Cell  
ELISA KIT



Cardiovascular  
ELISA KIT





# The Scientific Group

For more product information, please contact your nearest representative:

**HEAD OFFICE GAUTENG / AFRICA SALES**

Stand 208 • C/O Malibongwe Drive & Epsom Avenue • Boundary Park

Hoogland Ext 44 • Northriding 2162 • Gauteng • South Africa

T: +27 11 568 9047 (Head Office and 24/7 Technical Service Hotline)

E: [sales@scientificgroup.com](mailto:sales@scientificgroup.com) / [technical@scientificgroup.com](mailto:technical@scientificgroup.com)

**WESTERN CAPE BRANCH**

First Floor • Tijger Park 5 • Bellville Park • Cape Town 7530

T: +27 11 568 9047

E: [sales@scientificgroup.com](mailto:sales@scientificgroup.com) / [technical@scientificgroup.com](mailto:technical@scientificgroup.com)

**BLOEMFONTEIN BRANCH**

47 President Steyn Street • Westdene • Bloemfontein 9301

T: +27 11 568 9047

E: [sales@scientificgroup.com](mailto:sales@scientificgroup.com) / [technical@scientificgroup.com](mailto:technical@scientificgroup.com)

**KZN / EASTERN CAPE BRANCH**

Island Office Park • 35/37 Island Circle • Block 4 • Ground Floor

Riverhorse Valley • Durban 4001

T: +27 11 568 9047

E: [sales@scientificgroup.com](mailto:sales@scientificgroup.com) / [technical@scientificgroup.com](mailto:technical@scientificgroup.com)



[www.scientificgroup.co.za/](http://www.scientificgroup.co.za/)