

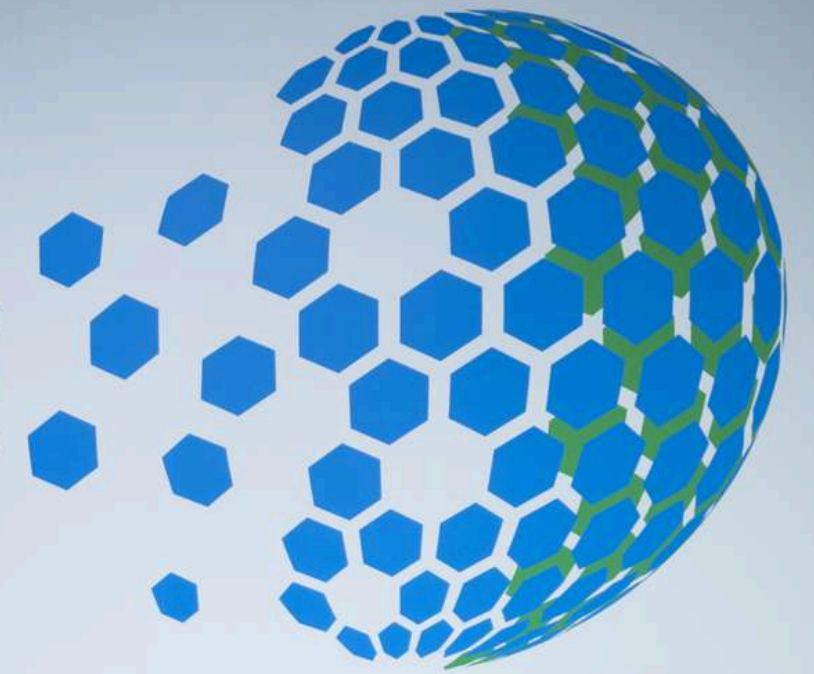


# ACCUSCIENCE

## CLINICAL PATHOLOGY



# ACCUSCIENCE



**DIPLOMA PLC**  
VALUE-ADD SOLUTIONS

Diploma PLC are an international, dynamic, value-add distribution Group organised across three sectors: Controls, Seals and Life Sciences. Our agile and decentralised businesses operate across North America, UK, Europe and Australia to deliver value-add solutions.

part of **DIPLOMA** LIFE SCIENCES

As part of Diploma PLC Life Sciences, the **Technopath** and **Accuscience** businesses provide the technical expertise, specialist knowledge, and close relationships to deliver the value-add solutions our customers need.

Technopath and Accuscience's product offerings are supported by their combined applications, service and customer support teams.



Unit C3, M7 Business Park, Naas,  
Co Kildare, W91 XF79, Ireland  
[www.accuscience.ie](http://www.accuscience.ie)





TECHNOPATH

Fort Henry Business Park, Ballina,  
Co. Tipperary, V94 N248, Ireland  
[www.techno-path.com](http://www.techno-path.com)








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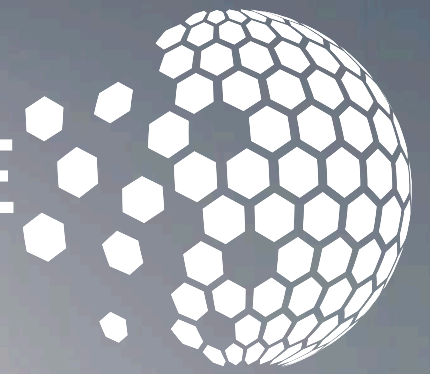
# BROUGHT TO YOU BY: ACCUSCIENCE

## OUR PURPOSE

Accuscience is a specialised value adding distributor, supplying essential products and services to the Medical, IVD and Scientific (Pharmaceutical, Life Sciences and Food/Bev) sectors in Ireland.

*Our purpose is to deliver exceptional product and service solutions helping our customers achieve outstanding results.*

# ACCUSCIENCE



## OUR PEOPLE

### *Superior Customer Service & Support*

The customer is at the forefront of everything we do and that is why we source the highest quality products, while providing technical expertise and superior support and service.

We believe that the core strength of our company lies in the level of expertise and technical knowledge evident in our workforce.

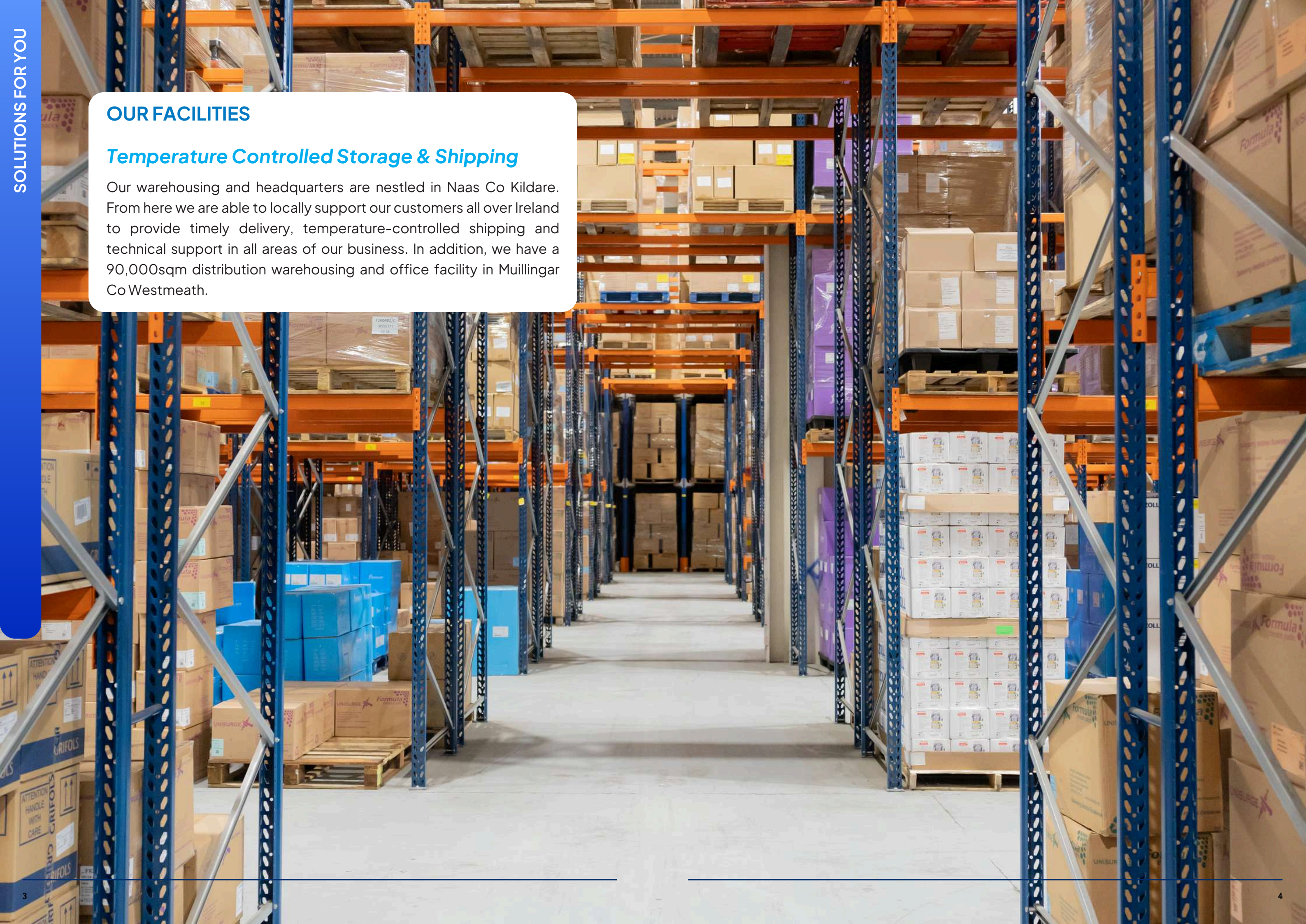
Accuscience offers full technical support for each of our product lines. Our people are all experts in their field and will be able to answer any technical questions you may have.



## OUR FACILITIES

### *Temperature Controlled Storage & Shipping*

Our warehousing and headquarters are nestled in Naas Co Kildare. From here we are able to locally support our customers all over Ireland to provide timely delivery, temperature-controlled shipping and technical support in all areas of our business. In addition, we have a 90,000sqm distribution warehousing and office facility in Mullingar Co Westmeath.



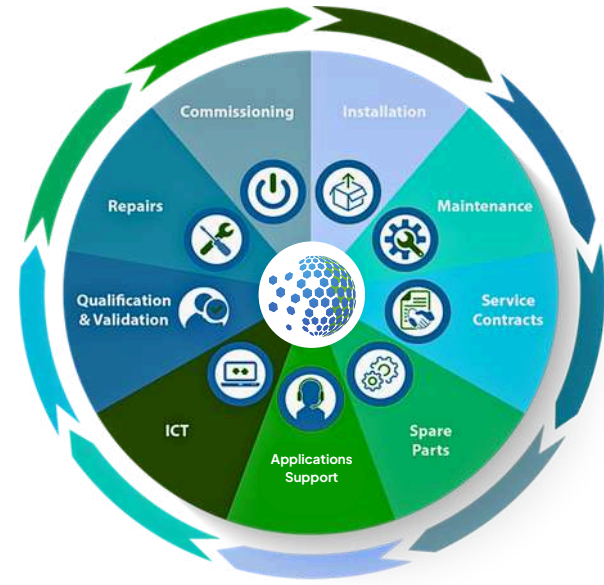


# Servicing & Technical Support

*Certified installation and after sales service provision for all instrumentation*

Effective installation and efficient after sales technical support is a key element of the Accuscience and Technopath's combined service offering. We have a dedicated engineering and service management team providing a comprehensive suite of preventative maintenance and repair service offerings covering our complete instrumentation portfolio.

Our team of highly trained engineers is supported by a team of dedicated Service Co-Ordinators who liaise directly with customers to schedule preventative maintenance and repair visits and manage any service related enquires.



## Our Services:

- ✓ Site Surveys and installation planning
- ✓ IQ/OQ
- ✓ Suite of preventative maintenance programs
- ✓ Calibration services
- ✓ Breakdown and repair services
- ✓ Technical support and training
- ✓ Nationwide coverage
- ✓ Certified engineers
- ✓ Certified reports, documentation and certification
- ✓ Telephone, in-House and on-site support



Newly accredited in 2024!





# Applications Support

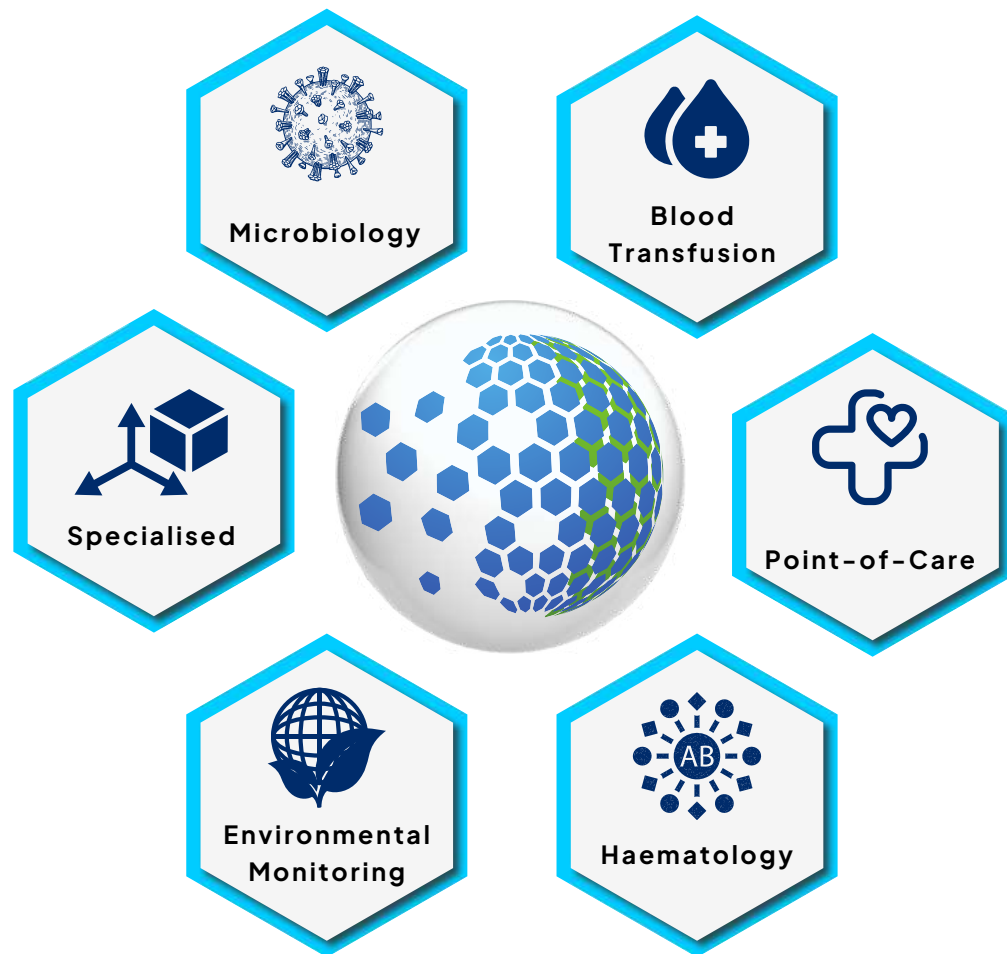
As professionals in the IVD healthcare sector, we're committed to elevating laboratory performance and patient care.

Our expert team of Technical Applications Specialists is dedicated to providing unparalleled support, training, and guidance on our cutting-edge diagnostic instruments and software solutions.

With a deep understanding of laboratory workflows and regulatory requirements, we ensure seamless integration and optimal utilisation of our technology.

Trust Accuscience to be your partner in advancing healthcare, empowering laboratories to deliver accurate and efficient diagnostic results that make a real difference in patient outcomes.

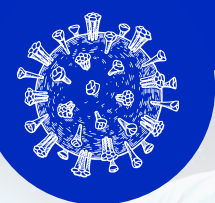
## Our dedicated Application Specialists cover platforms in:








# What We Offer

- Guidance**: Our dedicated Application Specialists are here to offer expert advice to help you select the appropriate technologies for the needs of your lab
- LIS Connection**: Making your life easier! Let us liaise with your ICT department to ensure seamless connection of middleware solutions to your LIS.
- Collaboration**: We collaborate with your lab to understand your specific needs to enhance lab productivity and optimise your workflow
- Training**: Ensure all your lab training needs are met with specialised training programmes





MICROBIOLOGY

-  **Seegene** — Molecular Batch Testing
-  **SD BIOSENSOR** — Molecular Sample to Answer
-  **ELITechGroup** — Molecular Specialised
-  **HEMOSURE®** — Faecal Immunochemical Testing
-  **vircell** — Infectious serology

MICROBIOLOGY

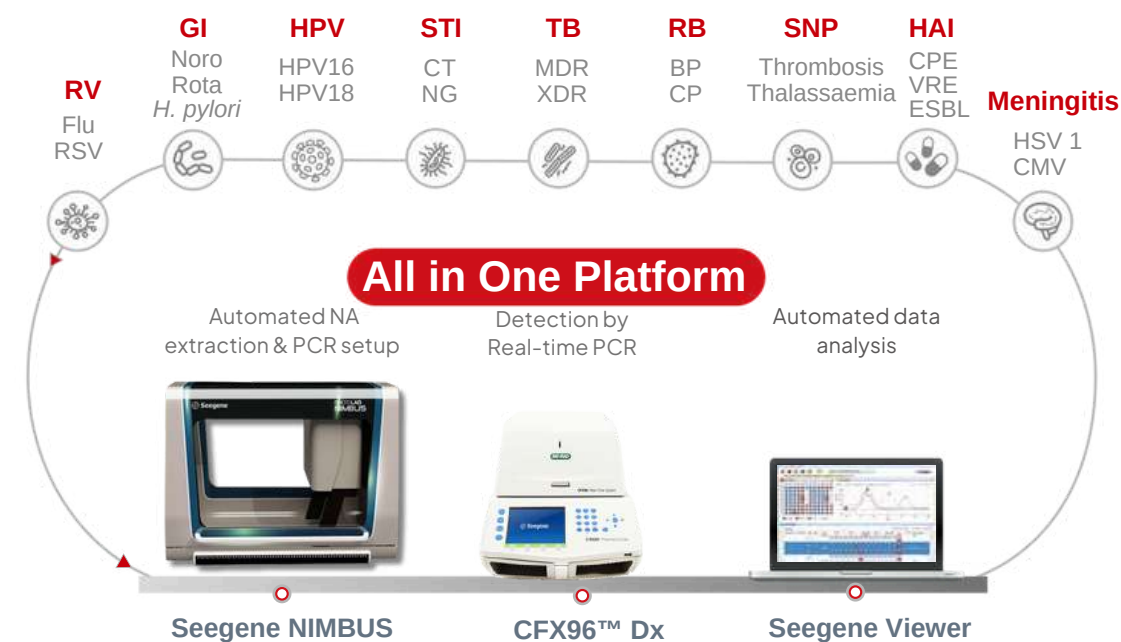
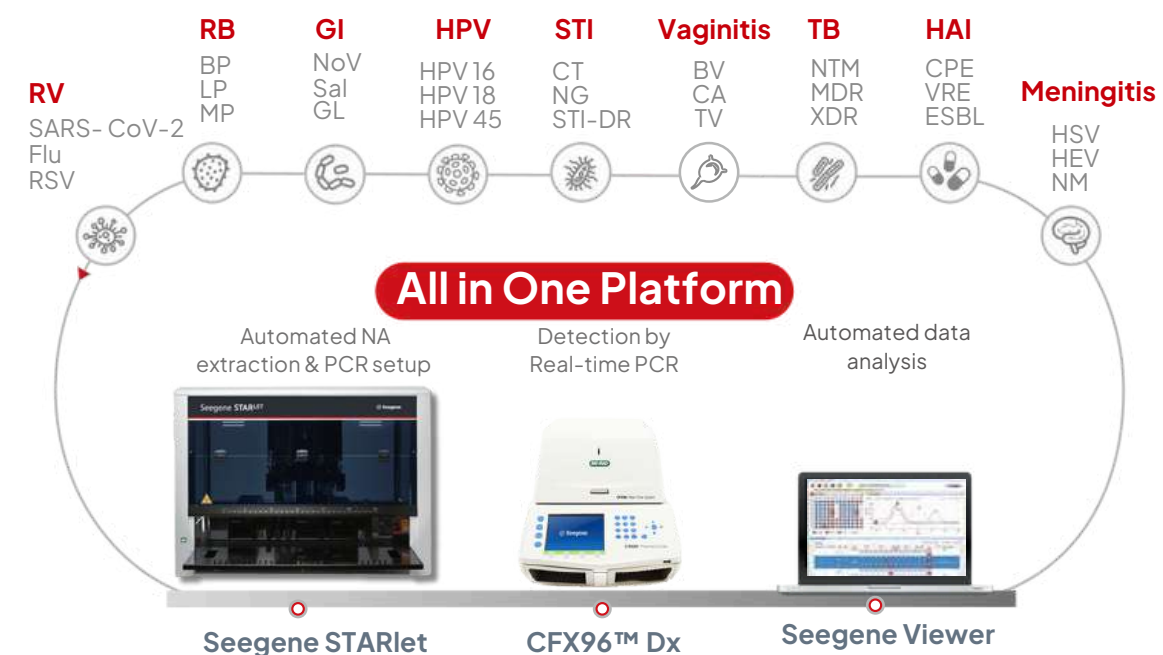


Molecular Batch Testing

Seegene is revolutionising healthcare in Ireland with its advanced molecular diagnostics, offering precise and reliable solutions to optimise your lab workflow. This innovative technology enhances the efficiency of disease diagnosis and monitoring, significantly improving patient outcomes.

Seegene's Nimbus and STARlet Automated Systems Overview

Seegene's **NIMBUS** and **STARlet** automate **NA** extraction and **PCR** setup, catering to up to **72** and **92** samples respectively. These platforms support a broad array of **MDx** assays for diverse diseases. They offer cost-effective, comprehensive solutions from a single provider, enhancing affordability. Maximise convenience with minimal hands-on time and selectable process options. Engineered to reduce risks of contamination and human error, ensuring reliable results.





Seegene's high multiplex real-time PCR products

Seegene's panel assays utilise an all-in-one system for multiple molecular diagnostics on a single platform, significantly enhancing lab efficiency. These advanced multiplex assays provide high specificity and sensitivity for accurately identifying unknown pathogens.



- Multiplex real-time PCR
- Full coverage of causative pathogens
- User-friendly workflow
- Efficient syndromic test
- Optimum Patient Care
- Multi-Ct in a single channel
- Automatic data analyser
- Whole process validation



Seegene's high multiplex RT PCR products

53 Assays are now available on one platform

Scan the QR code to view all Assays



SD Biosensor excels in in-vitro diagnostics with its rapid testing solutions, revolutionising global healthcare practices. Known for its innovative technologies and commitment to accessibility, SD Biosensor ensures timely, precise diagnostics for enhanced patient outcomes.

SD Biosensor's STANDARD M10: Point-of-Care Molecular Diagnostic System

The STANDARD M10 is a MDx system that measures quantitative or qualitative biomarkers from human samples. The system automatically extracts and amplifies nucleic acids for molecular diagnosis from the collected samples, and analyses the data from amplification in real-time.



Assay menu		
<p><b>Respiratory Infections</b></p> <ul style="list-style-type: none"> <li>SARS-CoV-2</li> <li>Flu / RSV / SARS-CoV-2</li> </ul>	<p><b>Tuberculosis</b></p> <ul style="list-style-type: none"> <li>MDR-TB</li> <li>MTB / NTM</li> <li>XDR-TB</li> </ul>	<p><b>HIV / Hepatitis Viral Load</b></p> <ul style="list-style-type: none"> <li>HIV-1 VL</li> <li>HCV VL</li> <li>HBV VL</li> </ul>
<p><b>Sexual Health</b></p> <ul style="list-style-type: none"> <li>CT, NG, UU, MG, TV, MH,</li> <li>HSV1, HSV2</li> <li>HPV (16/18/High risk)</li> </ul>	<p><b>Gastrointestinal Infections</b></p> <ul style="list-style-type: none"> <li>C. difficile</li> </ul>	<p><b>Arbovirus</b></p> <ul style="list-style-type: none"> <li>ZIKV / Chikungunya / Dengue virus / WNV / Yellow Fever</li> </ul>

Application of optimised method

- Simplicity: Easy to use
- Speed: Delivers quick results (<60 min)
- Accuracy: High sensitivity and specificity





ELITechGroup MDx serves the needs of clinical and research laboratories alike, offering an extensive portfolio of molecular diagnostics products including the fully automated sample-to-result systems ELITE® InGenius and ELITE® BeGenius.

ELITE – Fully Automated Sample to Result Systems



ELITE InGenius®

- ELITE InGenius® offers a user-friendly sample-to-result solution for MDX, combining extraction, amplification, and result interpretation.
- Allows parallel processing of 1 to 12 samples with independent tracks for flexibility.
- Features a universal extraction process and independent PCR, enabling custom assay panels on demand.

ELITE BeGenius®

- ELITE BeGenius® enhances lab efficiency with its fully automated system, ideal for medium to high throughput molecular diagnostics.
- Capable of processing up to 72 results in an 8-hour shift.
- Saves space and reduces manual labour with its compact, standalone design and total automation, improving lab operations and patient management.

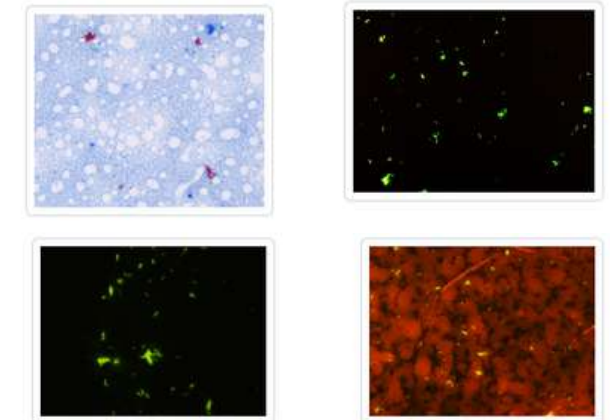


ELITechAerospray® solutions revolutionise microbiology by automating specimen preparation, enhancing efficiency, and ensuring consistent results. With precision and speed, Aerospray® instruments streamline slide staining, offering superior quality and reproducibility. Their innovative technology optimises laboratory workflow, providing reliable solutions for microbiologists seeking accuracy and convenience in sample processing.

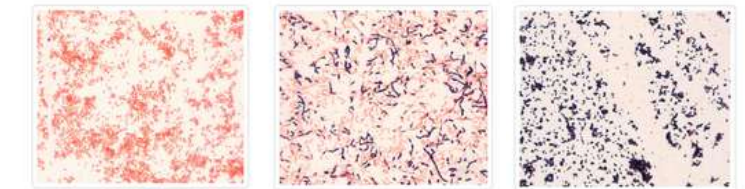
Aerospray® Microbiology Slide Stainers



Aerospray® TB Slide Stainer / Cytocentrifuge



Aerospray® GRAM Slide Stainer / Cytocentrifuge



48 CE-IVD Real Time PCR assays to cover different clinical applications

Pathogens Monitoring in Immunocompromised	Blood Borne Viruses
<ul style="list-style-type: none"> <li>CMV (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48)</li> <li>CMV RNA*</li> <li>EBV</li> <li>BKV</li> <li>VZV</li> <li>HSV1</li> <li>HSV2</li> <li>PARVOVIRUS B19</li> <li>ADENOVIRUS</li> <li>ENTEROVIRUS</li> <li>JCV</li> <li>HHV6</li> <li>HHV7</li> <li>HHV8</li> <li>HEV</li> <li>T. GONDII</li> <li>ASPERGILLUS</li> <li>P. JIROVECI</li> <li>WNV**</li> </ul>	<ul style="list-style-type: none"> <li>HBV</li> <li>HCV</li> <li>HIV 1</li> </ul>
Sexually Transmitted Infections	Meningitis & Encephalitis
<ul style="list-style-type: none"> <li>STI PLUS (3, 15, 16)</li> <li>MACROLIDE-R/MG (4, 15, 16)</li> <li>HPV (15, 16)</li> <li>HSV1/2 (22)</li> <li>C. TRACHOMATIS (5, 15, 16)</li> </ul>	<ul style="list-style-type: none"> <li>VIRAL PANEL 1 (4)</li> <li>VIRAL PANEL 2 (4)</li> <li>BACTERIAL PANEL (1, 4)</li> </ul>
Respiratory Infections	Healthcare Associated Infections
<ul style="list-style-type: none"> <li>MTB EXTRA (3, 9, 13, 17, 18)</li> <li>BACTERIAL PANEL (9)</li> <li>Respiratory Viral PLUS (9, 21)</li> <li>MDR/MTB (3, 9, 13, 17, 18)</li> <li>SARS-COV-2 PLUS (6, 7, 21)</li> <li>SARS-COV-2 (6, 7, 14, 21)</li> <li>SARS-CoV-2 Variants (6, 7, 21)</li> <li>SARS-CoV-2 Extended* (6, 7, 21)</li> <li>P. JIROVECI (9, 13)</li> <li>ASPERGILLUS (2, 9, 19)</li> <li>BORDETELLA (23)</li> </ul>	<ul style="list-style-type: none"> <li>CRE (8, 12, 9, 25)</li> <li>COLISTIN-R (8)</li> <li>C. DIFFICILE (10)</li> <li>ESBL (4, 12, 9, 25)</li> <li>MRSA/SA (6, 12, 9, 25)</li> </ul>
Genetics	Gastrointestinal Infections
<ul style="list-style-type: none"> <li>COAGULATION (1)</li> </ul>	<ul style="list-style-type: none"> <li>VIRAL PANEL (10)</li> <li>NOROVIRUS PANEL (10)</li> <li>BACTERIAL PANEL (10)</li> <li>PARASITIC PANEL (10)</li> </ul>
Oncohematology	25 Matrices Universal Extraction for several samples
<ul style="list-style-type: none"> <li>BCR-ABL P190 (24)</li> <li>BCR-ABL P210 (24)</li> </ul>	<ol style="list-style-type: none"> <li>Whole Blood</li> <li>Plasma</li> <li>Serum</li> <li>CSF</li> <li>Urine</li> <li>Nasal Swabs</li> <li>Throat Swabs</li> <li>Rectal Swabs</li> <li>BAL</li> <li>Stool</li> <li>Amniotic Fluid</li> <li>Blood Culture</li> <li>Sputum</li> <li>Saliva/Buccal Swabs</li> <li>Cervical Swabs</li> <li>Vaginal Swabs</li> <li>Cavitary Fluid</li> <li>Biopsies/Tissue</li> <li>Bronchial Aspirate (BA)</li> <li>Gastric Aspirates</li> <li>Nasopharyngeal Swabs</li> <li>Cutaneous/Mucoc. Swabs</li> <li>Nasopharyngeal Aspirate</li> <li>White Blood Cells</li> <li>Culture Isolates</li> </ol>

25 Matrices Universal Extraction for several samples

- Whole Blood
- Plasma
- Serum
- CSF
- Urine
- Nasal Swabs
- Throat Swabs
- Rectal Swabs
- BAL
- Stool
- Amniotic Fluid
- Blood Culture
- Sputum
- Saliva/Buccal Swabs
- Cervical Swabs
- Vaginal Swabs
- Cavitary Fluid
- Biopsies/Tissue
- Bronchial Aspirate (BA)
- Gastric Aspirates
- Nasopharyngeal Swabs
- Cutaneous/Mucoc. Swabs
- Nasopharyngeal Aspirate
- White Blood Cells
- Culture Isolates

\* Under Development  
\*\* Available in Open Mode  
\* RUO

Benefits for your Laboratory:

- ⚙️ Superior staining process that is easy to use and saves time.
- 🕒 Rapid performance cycle time.
- 🧼 Cross-contamination is eliminated with a fresh application of stain.
- 🖥️ Programmable functions to accommodate different intensities, and personal preferences.

Faecal Immunochemical Testing



HemoSure, a leader in near-patient testing solutions, is dedicated to advancing healthcare through continuous innovation in diagnostics. Known for rapid and accurate point-of-care technologies, HemoSure enhances diagnostic accessibility and efficiency, significantly improving patient outcomes worldwide.

Hemosure® Accu-Reader® A100 Automated FIT System

The Hemosure® Accu-Reader® A100 system, combines with the FIT test cartridge and sample collection tube, offering an automated solution for detecting human haemoglobin in stool samples.

Designed for hospitals and professional testing facilities, it quickly identifies gastrointestinal bleeding indicators in faecal samples.



Hygienic, contactless sample testing



Fully automated with walk-away functionality



High Speed throughput of up to 100 samples per hour and 24 samples per tray/run



Laboratory Information System (LIS) integration ready



Hygienic, contactless sample testing.



Long shelf life: Reagents can be stored at room temperature for up to 24 months.



Test results available within 5 minutes



Infectious serology



Vircell's diagnostic solutions revolutionise infectious disease detection by offering advanced, ready-to-use reagents that enhance efficiency and ensure accurate results. With cutting-edge technology, Vircell's products streamline laboratory workflows, providing superior sensitivity and specificity.

The revolution in infectious serology

VirClia® Lotus is a flexible and fully automated solution for infectious disease testing, delivering on-demand monostests with individual quality control, rapid results in just one hour, and the most extensive CLIA monostest panel, ensuring exceptional diagnostic sensitivity and specificity.

VirClia® Lotus  
Any test, any sample, any time



FUNGAL INFECTIONS

- Aspergillus galactomannan Ag
- Invasive candidiasis (CAGTA) IgG

SEXUALLY TRANSMITTED INFECTIONS

- Chlamydia trachomatis IgA, IgG, IgM
- Syphilis IgG, IgG+IgM, IgM

BACTERIAL RESPIRATORY INFECTIONS

- Bordetella pertussis toxin IgG
- Chlamydomphila pneumoniae IgA, IgG, IgM
- Coxiella burnetii IgG, IgM
- Legionella pneumophila IgG, IgG+IgM, IgM
- Mycoplasma pneumoniae IgG, IgM

TORCH

- Cytomegalovirus IgG, IgG avidity, IgM
- Herpes simplex 1 IgG, IgM
- Herpes simplex 1+2 IgG, IgM
- Herpes simplex 2 IgG, IgM
- Rubella IgG, IgM
- Toxoplasma IgG, IgG avidity, IgM

VIRAL RESPIRATORY INFECTIONS

- Adenovirus IgG
- COVID-19 IgG, IgM+IgA
- COVID-19 SPIKE IgG
- Influenza A IgG
- Influenza B IgG
- Parainfluenza 1 IgG
- Parainfluenza 2 IgG
- Parainfluenza 3 IgG
- Respiratory syncytial virus IgG

ZOONOSES

- Bartonella henselae IgG, IgM
- Brucella IgG, IgM
- Hydatidosis IgG
- Tularemia IgG+IgM

VACCINE-PREVENTABLE INFECTIONS

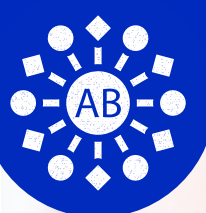
- Diphtheria IgG
- Measles IgG, IgM
- Mumps IgG, IgM
- Tetanus IgG
- Varicella-zoster IgG, IgM

VECTOR-BORNE INFECTIONS

- Borrelia IgG, IgM
- Chagas IgG+IgM
- Chagas TESA IgG+IgM
- Chikungunya IgG, IgM
- Dengue IgG, IgM
- Leishmania IgG+gM
- Rickettsia conorii IgG, IgM
- Ross River virus IgG, IgM
- Tick-borne encephalitis IgG, IgM
- West Nile virus IgG, IgM
- Zika IgG, IgM

OTHER INFECTIONS

- Epstein-Barr EA IgG
- Epstein-Barr EBNA IgG
- Epstein-Barr VCA IgG, IgM
- Helicobacter pylori Ag
- Helicobacter pylori IgA, IgG
- Hepatitis E IgG, IgG avidity, IgM
- HHV-6 IgG
- Infectious mononucleosis IgM
- Leptospira IgM
- Parvovirus IgG, IgM



BLOOD TRANSFUSION

**GRIFOLS**

Blood Grouping

**HAEMONETICS®**

Comprehensive Blood Tracking

**FRESENIUS KABI**

Collection & Processing

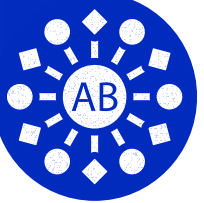
**NHS**  
Blood and Transplant

Quality Control

**Helmer**

Blood Storage

BLOOD TRANSFUSION



**GRIFOLS**

Blood Typing (Automated)

Grifols enhances the blood transfusion process with its advanced equipment and solutions. Their products ensure safe blood processing, meeting rigorous standards and integrating data management for improved transfusion safety.

**Erytra Eflexis – Automated Blood Analyser**

A fully automated, medium-sized analyser for performing pretransfusion compatibility tests using DG Gel technology. Erytra Eflexis is the natural evolution in Grifols scalable blood typing solutions.

**User friendly and powerful**

**22**  
Complete ABO/Rh Group + Screen (3 Cells)  
(Tests per hour)

**35**  
Complete ABO/Rh Group  
(Tests per hour)

**65**  
Donor Confirmation (ABDx2)  
(Tests per hour)

**65**  
Rh Phenotype  
(Tests per hour)

- Continuous sample and reagent loading
- Bi-directional LIS connectivity
- Flexible configuration to adapt to lab throughput (up to 72 samples on-board)
- STAT sample management
- High resolution colour reading

Simplify your testing

More results in less time

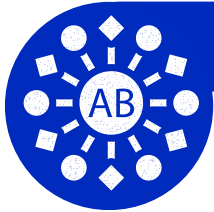
Meet your lab's demands

Automate processes

Maximise your resources

Less management required





#### Blood Typing Manager

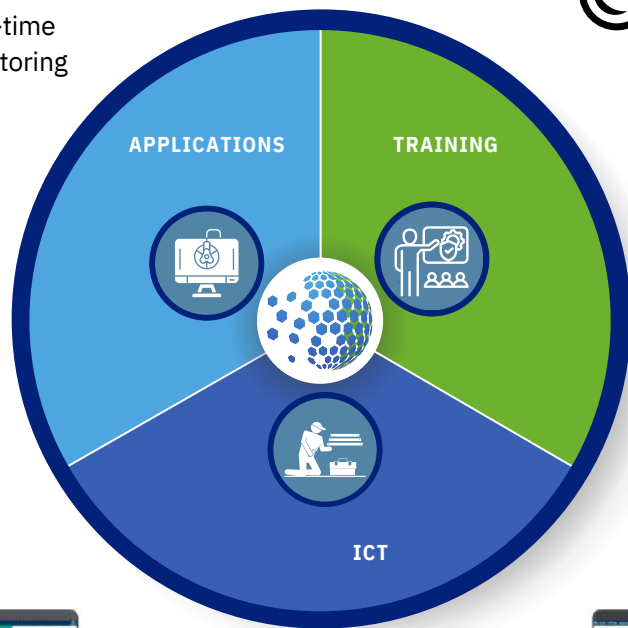
Creating an efficient and completely connected immunohaematology laboratory is now easier than ever. Grifols Blood Typing Manager makes your workday easy, efficient and secure. Simplify every aspect of your process from test ordering to result finalisation.



**DASHBOARD**  
Convenient real-time operations monitoring



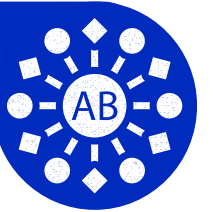
**RESULTS**  
Efficient results management in a centralised database



**RESULT DETAIL**  
Total process traceability, easy view of related tests and QC results



**AUTOMATIC AB ID**  
Antigenic table view suggests potential antibody specificities



Grifols DG Manual Instrumentation gives you everything you need for testing. Made to grow with your needs, whatever your laboratory's size, Grifols DG Gel manual testing provides you with efficient procedures and an extensive assay menu.



#### DG Therm

- Digital centrifuge for processing DG Gel Cards.
- 2 incubator zones, each with a capacity for up to 12 gel cards.
- Pre-set modifiable incubation time up to 60 minutes.
- Display indicates remaining incubation times and temperatures for each zone.



#### DG Spin

- Digital centrifuge for processing DG Gel Cards.
- Capacity to centrifuge up to 24 gel cards.
- Pre-set centrifuge time of 9 minutes at 990 rpm  $\pm$ 10 rpm.
- Display indicates centrifuge speed and time remaining.



#### DG Reader Net

- Advanced manual gel testing station.
- High resolution colour CCD camera
- Computer assisted interpretation
- Intuitive software and simple system management



Simplify manual testing



Fit your lab's unique workflow




Maximise your resources

Haemonetics revolutionises blood transfusion with advanced technology, ensuring safer procedures and improved patient outcomes. Their innovative solutions streamline blood collection, processing, and storage, meeting the evolving needs of healthcare providers worldwide.

**BloodTrack® – Blood Management Solutions**

**Support patient safety, maintain traceability and reduce costs**

The BloodTrack® modular suite of blood management and bedside transfusion solutions act as an extension of your Blood Bank Information System (BBIS) to optimise your hospital's blood supply chain and provide safe, secure and fully traceable remote blood storage.



- Point-of-Care
- Blood Management
- Interoperability
- Remote Blood Management
- Bedside Transfusion

**The BloodTrack HaemoBank can help your organisation**

- Control and monitor access
- Provide visibility and traceability
- Safely improve blood product availability
- Quickly allocate the right blood product as needed
- Eliminate pre-crossmatching and labelling
- Manage unassigned, crossmatched, and emergency blood products

**TEG® 6s – Haemostasis Analyser System**

**Providing fast, actionable results to help you reduce risks, complications and costs**

The TEG® 6s system delivers a comprehensive assessment of a patient's haemostasis quickly, giving clinicians the invaluable insight needed to deliver more targeted treatment.



**TEG® 6s Analyzer**



**TEG 6s Test Cartridges**



**TEG Manager® Software**

Fresenius Kabi enhances blood transfusion safety and efficacy globally through its high-quality medical devices, including transfusion sets and blood bags. Dedicated to advancing transfusion medicine, the company supports healthcare professionals with essential products that ensure the reliable collection, processing, and administration of blood products.

**CompoMat G5 Plus – Automated Blood Component Separator**

**CompoMat G5 Plus** is designed to efficiently and reliably **automate** the **separation** of **whole blood** units into blood components. The system easily adapts to your centre's processing needs by offering the flexibility of customised separation options.



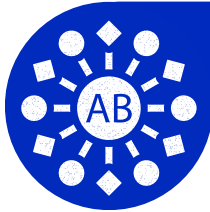
- Maximised efficiency and plasma yield
- Shortened separation time
- Reduced risk of RSI and haemolysis
- Flexibility at work
- Advanced technological platform

**CompoSeal Mobilea II – Portable Safe Sealer**

Mobilea II meets the high demands of professional sealing and combines it with the benefits of modern battery technology. The Lithium Polymer battery realises a high sealing performance and offers a portable light weight solution. Mobilea II is therefore designed for mobile sealing in donation teams or at processing departments.



- High quality seals
- Reliable operation
- Quick and easy handling
- Leakage detection



# BLOOD TRANSFUSION

## Reagent Red Blood Cells



NHS Blood and Transplant (NHSBT) provides a blood and transplantation service to the NHS in the UK. NHSBT Reagents is a specialist department within NHSBT that designs, manufactures and distributes in vitro diagnostic medical devices for transfusion and transplantation investigations, including blood grouping control reagents

### NHSBT Reagents

All cells are manufactured on a 4-weekly cycle and meet the necessary regulatory requirements. Products manufactured in CellStab and CellMedia are barcode-labelled to be fully identifiable by the appropriate manufacturer's automated technology and are validated for use on these systems.

### Reagent Portfolio

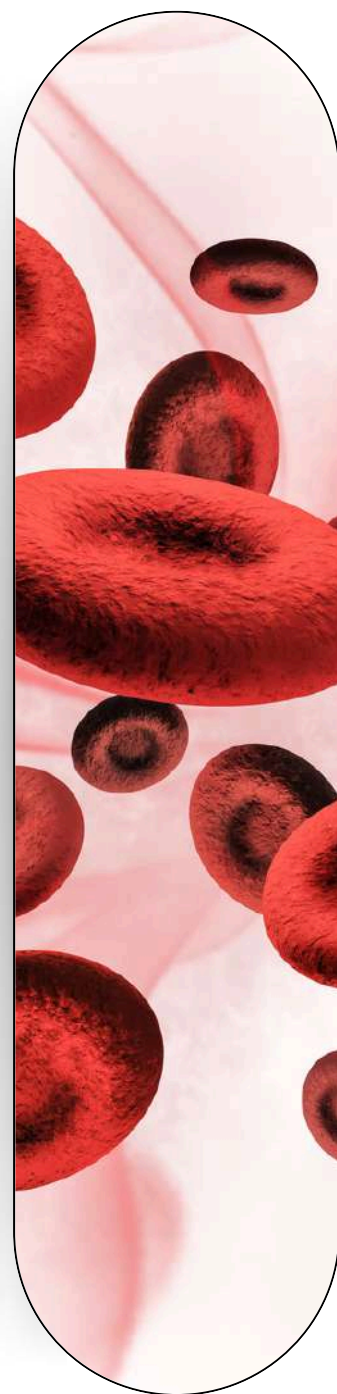
- ABO and Rh control/reverse grouping cells
- Cells for antibody screening & identification 2-cell screen
- Antibody identification panels
- Titration cells
- Products for further investigations

### Advantages

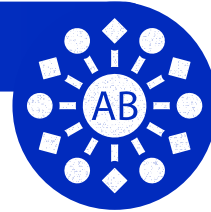
- Developed by highly experienced RCI Biomedical Scientists and Reagents manufacturers.
- Wide range of products available in different diluents.
- Reagents bar-coded for the use on commercial analysers.



QR Link to reagents



# BLOOD TRANSFUSION



## Blood Storage

Helmer Scientific specialises in temperature and platelet storage solutions for blood transfusion, providing advanced equipment such as refrigerators, freezers, incubators and agitators. These products ensure precise temperature control for the safe preservation of blood products, bolstered by features like advanced monitoring and energy efficiency.



### Temperature Storage Solutions






Temperature Management	Noise Management	Energy Management
	QR Link to products	

### Platelet Storage Solutions

Performance & Reliability	Monitoring & Control	Efficiency & Sustainability
	QR Link to products	



POINT OF CARE

-  Multi-Assay (HbA1c, Lipid, CRP, ACR)
-  Haematology & Diabetes
-  Sweat Test (Cystic Fibrosis)
-  Autoimmune, Cancer & Infectious Diseases
-  Molecular Diagnostic Tests

POINT OF CARE



Multi-Assay Analyser

Abbott revolutionises healthcare with its near patient testing solutions, offering portable diagnostic platforms that deliver rapid and accurate results. Covering a wide range of medical conditions, these systems enhance efficiency and patient outcomes in various settings.

Afinion™ 2 - Analyser

**SIMPLY MORE EFFICIENT.** Improve the way you diagnose, monitor and manage your patients

The **Afinion™ 2 Analyser** is a compact, rapid, multi-assay analyser that provides valuable near patient testing at the point-of-care.

The **Afinion™ 2 Analyser** makes it fast and easy to test quantitative determinations of **HbA1c, Lipid Panel, ACR, and CRP.**



3-STEP PROCEDURE

**1** Collect the sample with the integrated sampling device.



**2** Place the sampling device back in the test cartridge.



**3** Place the test cartridge in the analyser and close the lid. The processing starts automatically.








HbA1c

Lipid

- Total Cholesterol
- HDL
- LDL
- Trig
- Non-HDL
- Chol/HDL ratio

CRP

ACR

-  MULTIPLE ANALYTES ON ONE INSTRUMENT
-  MULTIPLE SAMPLE TYPES
-  ALL-IN-ONE TEST CARTRIDGE
-  AUTOMATIC SELF-CHECK SYSTEM
-  NO ADDITIONAL CALIBRATION NECESSARY



HemoCue, a leader in point-of-care diagnostics, specialises in portable devices for rapid and accurate haemoglobin testing, enabling healthcare professionals to make informed decisions quickly.

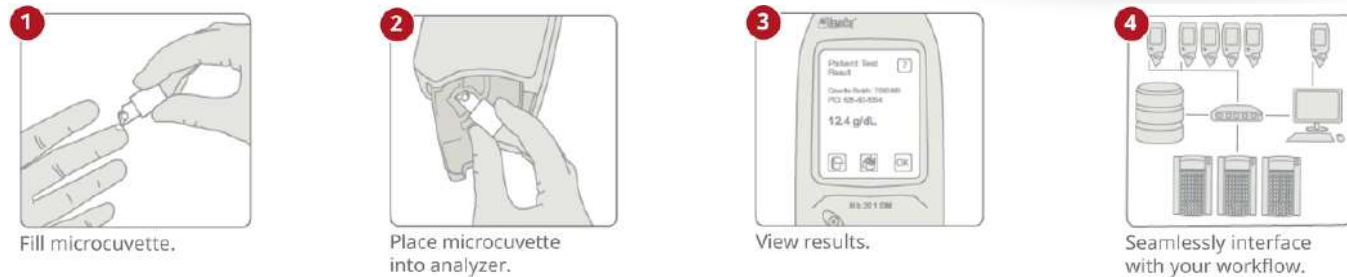
### The HemoCue® Hb 201 DM System

#### Key benefits

- Capillary, venous or arterial blood sample
- Accurate results in 60 seconds
- QC management inbuilt
- Middleware integration
- Data management
- Barcode scanning



#### A Few Simple Steps:



#### Data integrity and Simplified Workflow:

 <b>Data Entry</b> Touch-screen display and built-in barcode scanner	 <b>Interface Capabilities</b> Interface existing network using POCT1-A with our DMS software.	 <b>Configurable Functions</b> Operator ID, Patient ID, Lot ID, Site ID and more!
 <b>Results Storage</b> 4,000 patient/STAT tests, 500 QC tests and more!	 <b>DMS Software</b> Patient and QC reports	 <b>QC Data Management</b> QC lock-out, QC scheduling, Linearity Reports

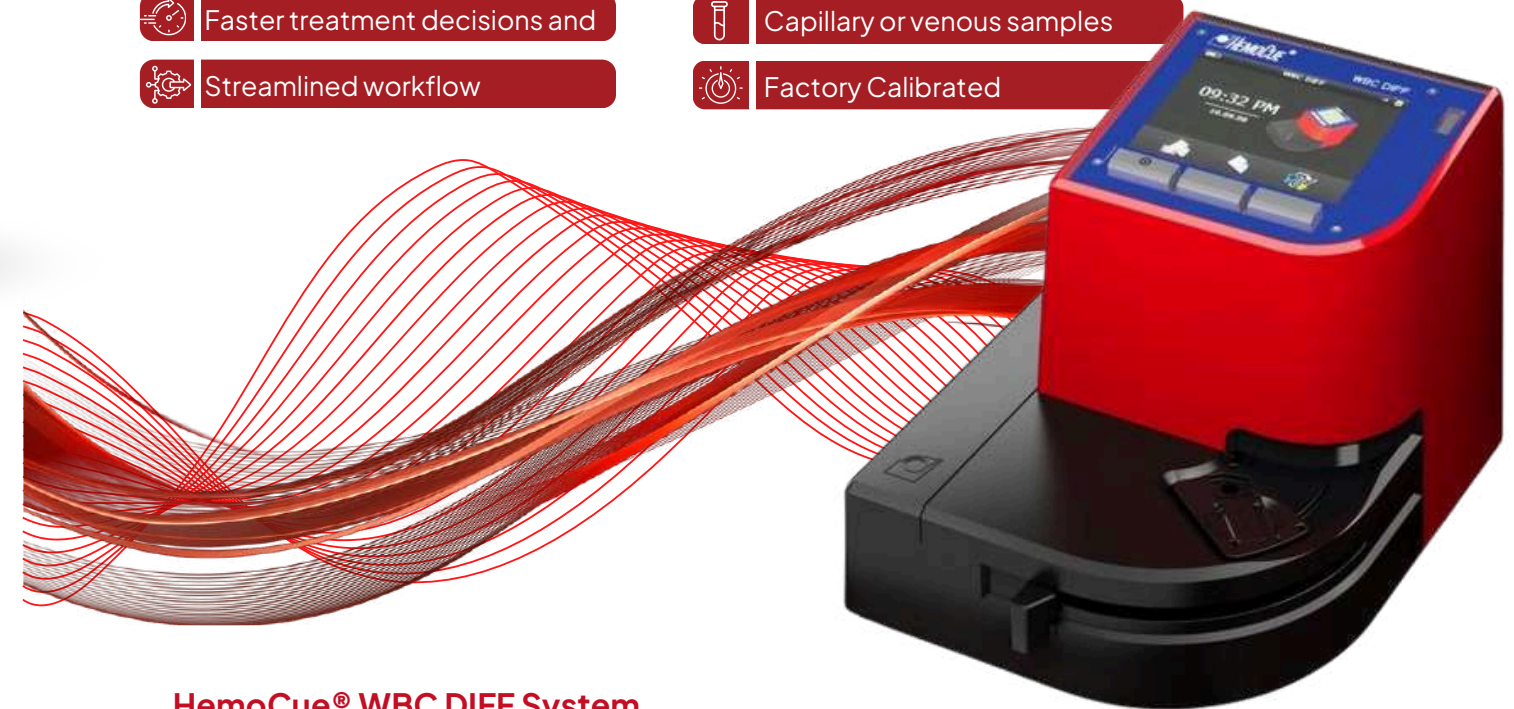


HemoCue® WBC DIFF System is a unique and accurate point-of-care system that allows you to count the total number of white blood cells with a 5-part differential in only a few minutes

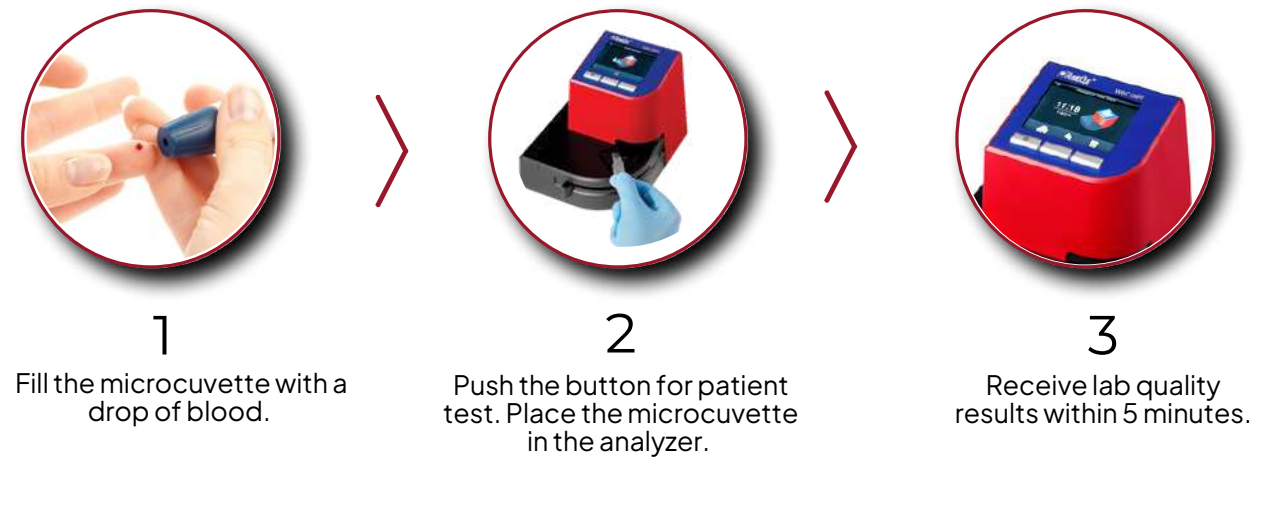
By putting the traditional, complex lab diagnostics inside a microworld, we make WBC results rapidly available so you can make more informed decisions right away about antibiotics, further testing, and more!

### HemoCue® WBC DIFF System

- Lab-accurate results in minutes
- Easy to use by non-lab personnel
- Faster treatment decisions and
- Capillary or venous samples
- Streamlined workflow
- Factory Calibrated



### HemoCue® WBC DIFF System





## POINT OF CARE

### Therapeutic Drug Monitoring



With 30 years of experience in developing, manufacturing, and marketing innovative in-vitro diagnostics, Theradiag is now enhancing its presence in theranostics, integrating point-of-care therapeutic drug monitoring for personalised treatment optimisation and patient-centric care.

## ez-Track<sup>1</sup>



- Automated Pallet Analyser and Optimised Dimensions
- All in one cartridge
- ID chip
- LIS compatibility
- Available drug, free and total antibody assays



#### Simple

- 1 Step to result

#### FAST

- 10 min for drug measurement
- 12 min for ADA's measurement

#### Reliable

- Calibrated on NIBSC/WHO international standards
- Validated on principles and biosimilars

#### Panels available

Infliximab & A-Infliximab
Adalimumab & A-Adalimumab
Golimumab & A-Golimumab

Vedolizumab & A-Vedolizumab
Ustekinumab & A-Ustekinumab
Total antibodies A-Infliximab & A-Adalimumab

## POINT OF CARE



### Sweat Test (Cystic Fibrosis)

ELITech leads in near patient testing for cystic fibrosis (CF), providing innovative platforms that deliver rapid, accurate results for CF-related biomarkers at the point of care. This approach improves patient care by allowing healthcare providers to make quick, informed decisions, thereby enhancing the quality of life for those living with CF.

#### MACRODUCT® ADVANCED SWEAT TESTING



- Easy-to-use touch screen interface
- Electrodes detect the absence of Pilogel discs
- Elliptical shaped collector is a better fit for small arms
- Minimum sweat volume required is 15 µL and collected in 30 minutes
- Adjustable and disposable Straps

#### CHLOROCHEK® CHLORIDOMETER®



- Easy to operate :** Consistent results in less than 20 seconds
- Intuitive touchscreen:** Interface with simple prompts
- Easy maintenance:** Clean electrodes with deionized water
- Results export capability:** Allows complete traceability

**SWEAT CONTROLS ARE AVAILABLE, WITH THREE LEVELS, TO INSURE THE HIGHEST QUALITY CONTROL PROCEDURES TO MEET REGULATORY REQUIREMENTS**







HAEMATOTOLOGY

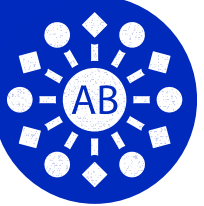
**Abbott** Blood Analysis & Staining

**Scopio** Full Field Digital Imaging

**DIESSE** Erythrocyte Sedimentation Rate

**ELITechGroup** Automated Slide Stainer

HAEMATOTOLOGY



Blood Analysis & Staining

Abbott's Alinity h-series consists of compact, scalable systems that maximize throughput and efficiency, making your high-performing laboratories run at their best, today and into the future.



ALINITY H-SERIES  
INTEGRATED  
HAEMATOTOLOGY  
SYSTEM

- UNIFORMITY
- FLEXIBILITY
- OPERATIONAL PRODUCTIVITY
- CONFIDENCE

**AlinityHQ**

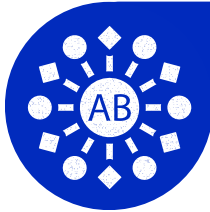
An automated haematology analyser that uses only 3 reagents to deliver a **CBC** with a **6-part WBC differential**.

- Local user interface & customisable software
- High load capacity (120 samples)
- Priority sample processing
- Sample loading flexibility

**AlinityHS**

An integrated **slide maker** and **stainer** with pre-configured and **customisable staining** protocols to meet the preferences of your laboratory

- Built in digital HQ microscopy
- High load capacity (210 blank slides)
- Automated monolayer detection
- Enhanced STAT management & processing



Scopio revolutionises microscopy with its digital platform, enabling high-resolution imaging and remote collaboration. Integrating AI-powered analysis, it enhances diagnostic accuracy and efficiency, transforming traditional microscopy into a dynamic, data-driven process for healthcare professionals.

# SCOPIO X100 AND X100HT WITH FULL-FIELD PERIPHERAL BLOOD SMEAR™ AND BONE MARROW ASPIRATE APPLICATION

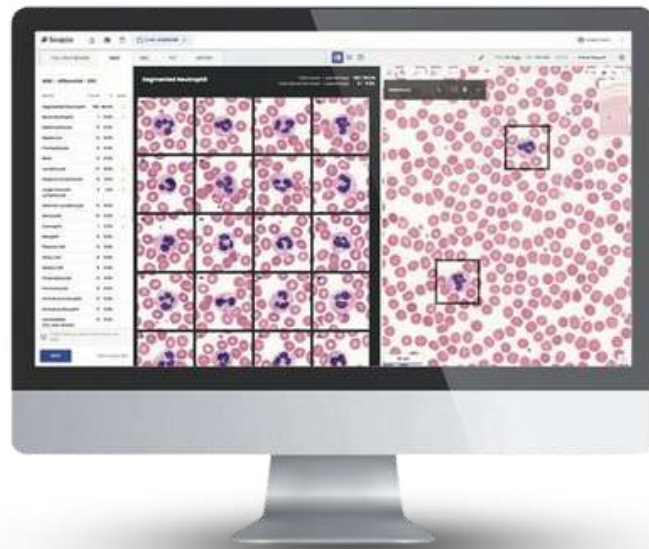
### X100

3-slide capacity  
Up to 15 slides/hour  
Suitable for up to 50 samples per day.



### X100 HT

30-slide capacity  
Up to 40 slides/hour  
Suitable for more than 50 samples per day.



Full-Field Peripheral Blood Smear



Full-Field Bone Marrow Aspirate

FDA-CLEARED. CE-MARKED.



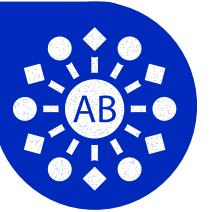
Remote access to view the slides from anywhere, at anytime



See the feathered edge from the edge of the world



Substantially reduce turnaround time for sample reviews by 60%



ELITech revolutionises haematology laboratories with its Aerospray® Haematology Pro Series, an automated slide stainer and cytocentrifuge system that streamlines workflows and ensures consistent, precise staining of blood and bone marrow smears.

# Aerospray® Haematology Pro

Slide Stainer/Cytocentrifuge



Aerospray® Pro Haematology Slide Stainer/Cytocentrifuge



Aerospray® Pro Haematology Slide Stainer/Cytocentrifuge

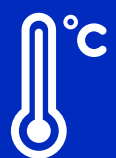


### Key Benefits

- Rapid stain cycle takes just 2-4 minutes
- Fresh application of stain with every run
- Convenient automated waste level detection
- Low maintenance
- Lab compliance with traceability







### CONTROLLED TEMPERATURE STORAGE



Cold Temperature Storage



Climate Chambers



Cold Temperature Storage

### CONTROLLED TEMPERATURE STORAGE



Cold Temperature Storage

Helmer Scientific provides advanced temperature storage solutions, including refrigerators and freezers for healthcare. Their units ensure the safe preservation of vaccines and lab samples, meeting high standards for temperature control, precision, and energy efficiency.

### Comprehensive Storage Solutions for Healthcare and Blood Management



FOR LABORATORY

FOR PHARMACY

FOR BLOOD BANK





# CONTROLLED TEMPERATURE STORAGE

## Climate Chambers



Every BINDER climate chamber is equipped with top-of-the-range technology made in Germany and makes it possible to precisely simulate biological, chemical, and physical environmental conditions. The wide range of products from the leading specialist addresses the various requirements of the healthcare industry.

## Binder Solutions



Incubation and growth



Drying and tempering



ULT storage



Environmental simulation



# CONTROLLED TEMPERATURE STORAGE



## Cold Temperature Storage

Fiocchetti provides advanced temperature-controlled storage systems suitable for general laboratory, blood transfusion and pharmacy. Their product range spans the breadth of precision refrigerators to ultra-low freezers. Their systems ensure strict temperature consistency to protect valuable materials, combining precision engineering with innovative design for optimal performance.

## Fiocchetti Solutions



Pharmacy and vaccines



Private clinics



Hospital medical and lab



Blood Transfusion





ENVIRONMENTAL MONITORING



Environmental monitoring system

ENVIRONMENTAL MONITORING



Environmental monitoring system

Rees Scientific specialises in protecting valuable assets with the most compliant continuous environmental monitoring system. Their system monitors temperature from +100 to -196°C, and critical parameters like humidity, light, and pressure. Rees Scientific lead the field by learning from clients' challenges, ensuring critical equipment is monitored and maintained.



Monitoring



Protect Valuable Assets



Compliance



Graph of Events

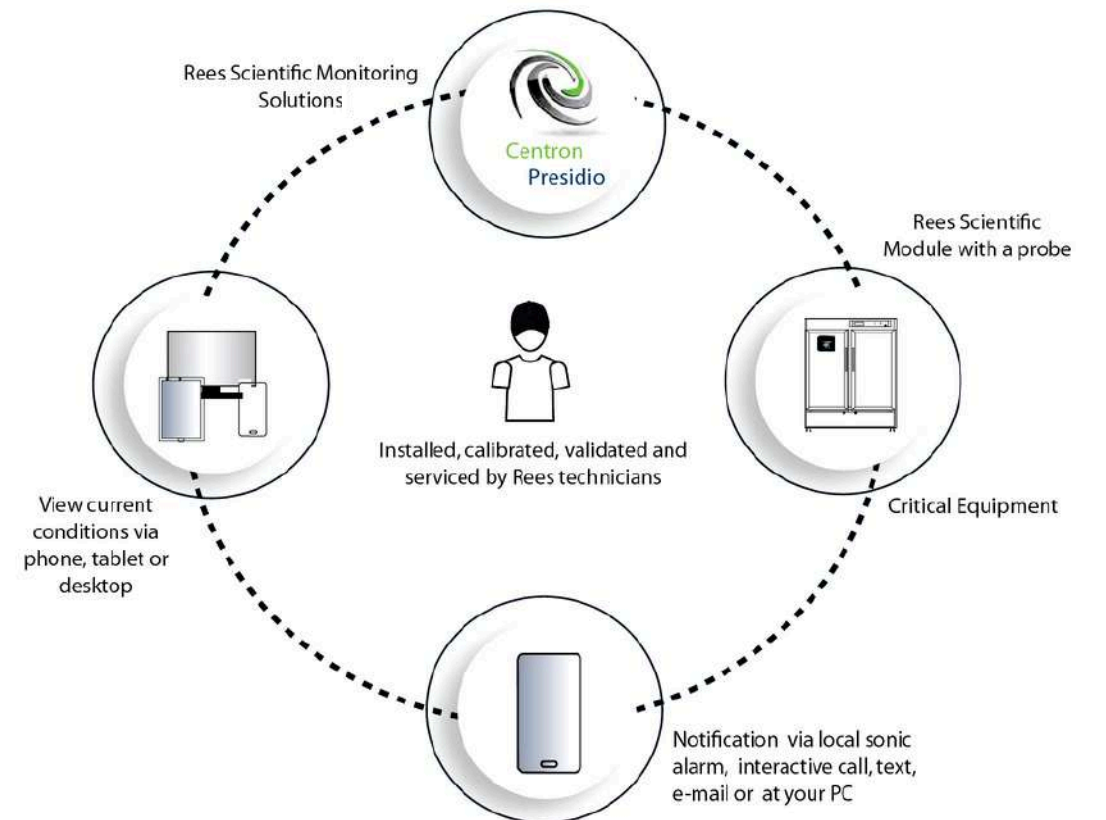


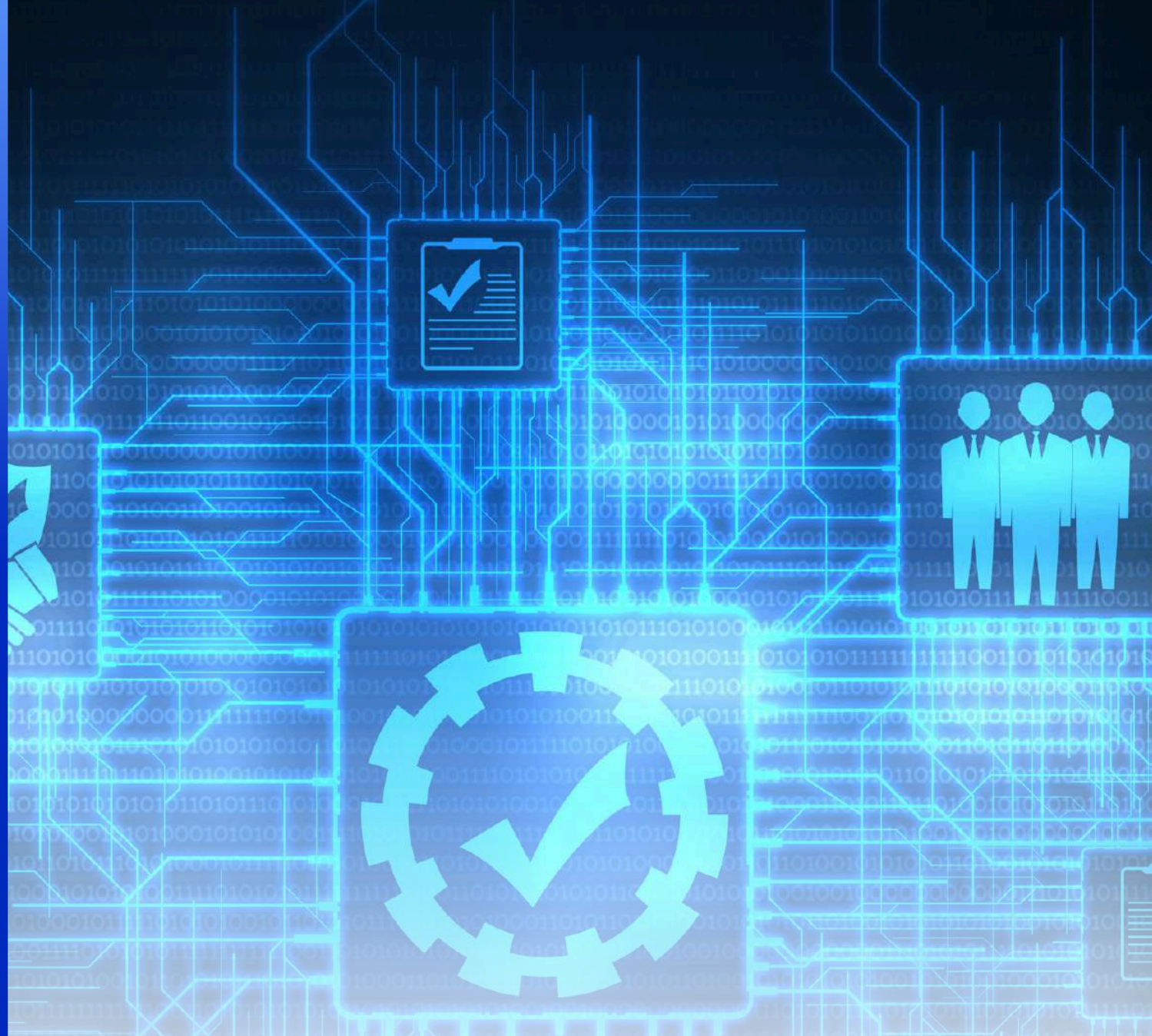
Notification

Did you know, Accuscience supplies the Rees Scientific solution to over 95% of both public and private hospitals around Ireland and Northern Ireland?



How the system works





3RD PARTY QC



**Eurotrol**

**Haematology**

**NHS**  
Blood and Transplant

**Blood Transfusion**

**biotechne**

**Haematology**

**BIO SYNEX**  
Theradag

**Auto-immune**

3RD PARTY QC



Accuscience plays a pivotal role in elevating the standards of quality control within blood transfusion and haematology laboratories through its collaboration with renowned third-party QC providers. By offering solutions from trusted entities like NHS Blood and Transplant (NHSBT), R&D Systems, and EuroTrol, Accuscience empowers laboratories to implement robust QC processes.

**Eurotrol**

- High specification, custom-made QC material for verification of the precision and accuracy of IVD analysers.
- Leaders in providing Haematology QC materials to enhance diagnostic accuracy globally.
- Partners with brands like HemoCue and Abbott, offering top-quality control products.
- Committed to innovation, Eurotrol improves diagnostic efficacy and patient outcomes.

**NHS**  
Blood and Transplant

- Ensures safety and efficacy of blood transfusions across the UK.
- Diverse portfolio of QC; including Weak Antibody, IAT, and Whole Blood controls.
- Solutions for automated and manual methods, suitable for Grifols, Bio-Rad and Quidel Ortho analysers.
- Rigorous testing and continual improvement in blood services.

**biotechne**

- Produces controls and calibrators for accurate haematology testing.
- Trusted by major suppliers like Abbott, Sysmex, Siemens and Beckman Coulter.
- Provides precisely formulated controls for reliable blood analysis.
- Committed to advancing haematology testing quality and consistency.

**BIO SYNEX**  
Theradag

- Diverse range of auto-immune QC sera for assay validation.
- Universal multi-parametric controls.
- Monitor potential drift of analytical systems.
- Develops custom QC solutions for EQA organisations.



SPECIALISED



Personalised Medicine



Focused ultrasonicators

SPECIALISED



Personalised Medicine



Theradiag's iTrack 10 system leads in therapeutic drug monitoring, offering precise drug level analysis in patient blood samples to optimise treatment efficacy and minimise side effects. Essential for chronic disease management, their technology supports diverse healthcare settings, enhancing Theradiag's impact in personalised medicine.

**I-TRACK10:**  
A STEP FORWARD IN PERSONALISED MEDICINE



**Key Benefits**

- User friendly
- Short turnaround
- Secure
- Full traceability
- Environmentally friendly



**INFLIXIMAB**  
Anti-TNFα

**VEDOLIZUMAB**  
Anti-Integrin α4β7

**ADALIMUMAB**  
Anti-TNFα

**USTEKINUMAB**  
Anti-IL12/IL23

**GOLIMUMAB**  
Anti-TNFα

**CERTOLIZUMAB**  
Anti-TNFα

**INFLIXIMAB**  
Anti-CD20

**Panel**

All drug and anti-drug parameters can be measured in the same analysis

**Load**

Samples in the primary tubes can be loaded directly into the automated system

**Departure**

Less than 5 min of handling

**Results**

Results achieved in 45 min





CLINICAL PATHOLOGY



[www.accuscience.ie](http://www.accuscience.ie)

For more information please contact us:

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 [orders@accuscience.ie](mailto:orders@accuscience.ie)  [www.accuscience.ie](http://www.accuscience.ie)  
 +353 (0) 45 882 600  [@accuscienceltd](https://www.linkedin.com/company/accuscienceltd)

Accuscience/Ver.2/016234597