LabService Providers

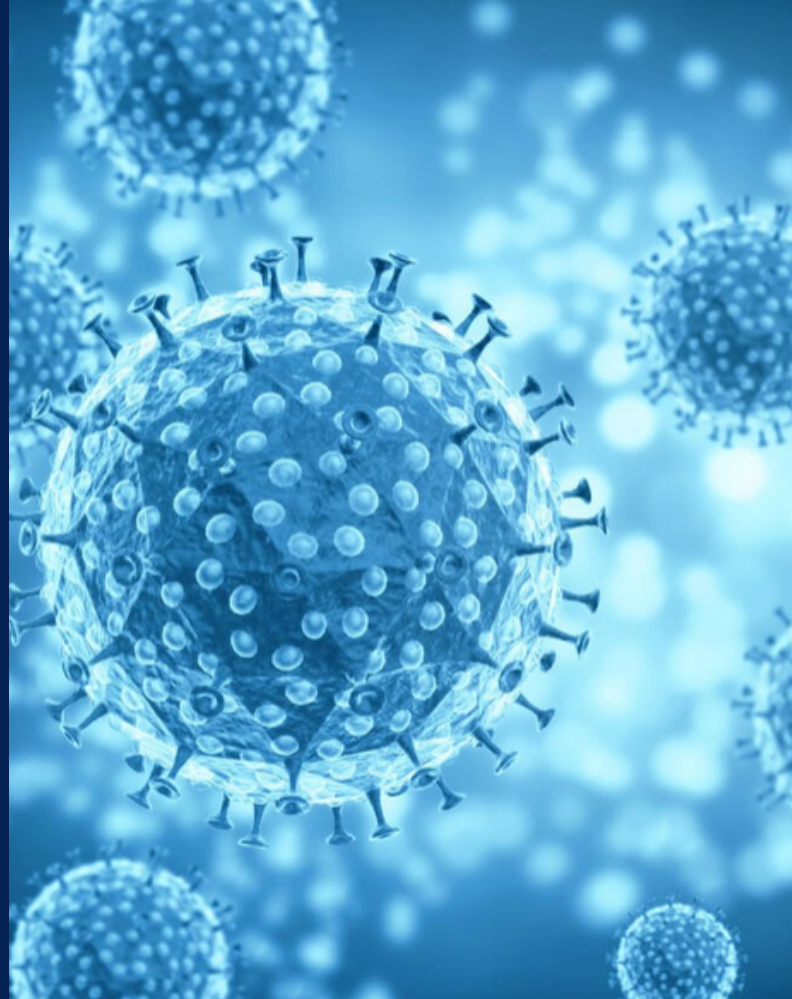## LABORATORY EQUIPMENT & INSTRUMENTATION

MEETING THE COVID-19 CHALLENGE

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The Covid-19 virus has created numerous challenges for Ireland's medical, research and test laboratories as well as for our essential industries such as Food, Dairy, Bio-pharmaceutical, and Medical Device manufacturing.

The following pages contain a small selection of equipment and instrumentation LabService Providers believe to be of interest to our customers as they strive to meet the pandemic challenge.

LabService Providers is an independent, Irish laboratory equipment sales and service company.

We specialise in providing equipment and instrumentation for a wide range of laboratory environments nationwide.

We carefully tailor solutions to meet each client's specific equipment needs.

LabService Providers

Hettich   BIOTOOL   GRAM Biostorage you can depend on   ZiRBUS technology   Riebesam professional

BIOTOOL

PETRISWISS

- Facilitates in-house plate pouring to reduce dependence on ready-made dish supplies.
- Ideal for 90 mm petri dishes.
- Integrated UV lamp.
- Low pulsation 10-roller pump head.
- Large diameter double tubings.
- Adjustable speed.
- Removable rack for safe and easy handling.
- Easy to clean and calibrate.

LABFLAME

- Safety burner for loop and needle annealing.
- Reduces dependency on consumables.
- Safe gas use.
- Bench, field and laminar flow use.
- Inclination.
- Automatic switch off.
- Multiple accessories available.

GLOWZONE

- Gas-free, infrared steriliser for high speed annealing and sterilising without flame.
- IR Hotspot sterilises in 5 to 10 seconds.
- Auto-start via touchless IR-sensor technology.
- Adjustable sterilisation and cool-down timers.
- Thermo control technology provides efficient use of energy and minimum heat dissipation.
- Stainless steel, cool-touch housing and safety glass.
- Quart glass annealing tube.
- Easy to clean.

DOSIPUMP

- Small footprint peristaltic pump suitable for a wide range of applications including bottling disinfectants.
- Ideal for volumes from 1 ml to several litres.
- Max. filling rate 2400 / minute.
- iP64 splash water protected.
- Different diameter double tubings.
- Calibration and storage of 8 tubings.

TUBE FILLER

- Designed by microbiologists.
- Suitable for a wide range of applications including test kit production and disinfection flask filling.
- Affords rapid and easy filling of any type of tube or bottle shape to eliminate repetitive manual filling operations.
- Includes stable filling arm with 2 side rails, easy height adjustment and integrated pump.
- Easy to install and operate with intuitive software.
- Integrated laser tracking.

HANDEVAC

- Ergonomic, hand-held aspirator.
- Compatible with all vacuum systems.
- Can be used with Pasteur pipettes, plastic aspiration pipettes and a variety of adapters.
- Affords rapid removal supernatant from a variety of cell culture, multi-well plates and dishes.
- Pressure sensitive button prevents accidental aspiration of cells or supernatant.

MIKRO 200 R CENTRIFUGE

- Fully IVD certified.
- One of the fastest microliter centrifuges in its class. Designed for rapid results in molecular biology.
- Suitable for hospitals, blood centres, university and forensic laboratories, as well as pharmaceutical and food laboratories.
- Maximum RCF of 21,382, with up to 30 tubes, facilitates rapid processing of samples and optimal separation.
- Rotors designed to spin microliter and PCR tubes. Angle rotor 24-place for 0.2 to 2 ml microliter tubes. Angle rotor 4 place for 8 tubes PCR strips.
- Spin PCR mini-kits including spin columns and microliter tubes to sediment subcellular particles or bacteria.
- Fast cooling and accelleration for added efficiency.
- Available with refrigeration and a temperature range from -10 ˚C to +40 ˚C.

HETTCUBE INCUBATORS

- Economical, new generation incubators combining the advantages of natural and forced convection to provide a stable and uniform environment for cultures.
- Exterior fan for maximised throughput and limited airflow inside the incubator.
- Temperature maintained by radiated heat for even distribution and the elimination of hot spots for guaranteed optimum growth.
- Gentle airflow and full temperature uniformity provides 30% more validated usable space than a traditional incubator with same internal volume.
- 50% less floor space than a traditional incubator with a similar capacity.
- Independent temperature safety device (classes 3.1 and 3.2) included as standard.
- Intuitive, flexible, touch screen (4.3") operation.
- View status of the device as well as any alarms and events for 4 week period.
- Customisable alarm and event settings.
- Process reliability – even during a power failure.
- High quality stainless steel interior and shelves.
- Shelves easily removed for cleaning / autoclaving.
- Petri dish rack and Loewenstein shelf allow large numbers of cultures to be processed quickly and economically.
- Easy access via stable, telescopic tray system can be extended up to 70% horizontally.
- Practical door and control panel locking mechanism.
- Auto door closing at opening angle below 90˚.
- Rear panel bushing (42 mm) for independent measurements and external devices.
- Remarkably low noise output of < 44 dB(A).ll

BIOPILUS 500

- Available in 4 cabinet sizes (26 to 430 litres).
- Table top models are stackable and can be wall mounted.
- Largest model freestanding with adjustable feet.
- Constructed of electrolytically galvanized steel sheets, coated with a grey epoxy polyester paint. Stainless steel interior housing and shelves.
- Automatic safety thermostat.
- LCD text display.
- Automatic air valve setting.
- Touch button operation.
- Real-time software program – two temperatures.
- Extended temperature range to 250°C.
- PID temperature controller.
- Connects to external alarm system.
- USB outlet.
- 10-speed fan.
- Low energy consumption.

BIOMIDI 425

- Cost effective, ergonomically designed 425 litre.
- High capacity refrigeration system designed to flexibly meet the majority of bio-material refrigeration and freezer requirements.
- Available as a refrigerator RR (-2°C to +20°C) or freezer RF (-25°C to -5°C).
- White lacquered steel or stainless-steel.
- 600 x 731 x 1979/2000 mm. / Weight 112 kg.
- Modules for shelves (25) and drawers (12).
- Vacuum insulated panel technology and inner doors.
- Safe closing system and door alarm.
- 1 access port (24.5 mm).
- Acoustic and visual high/low temperature alarms.
- Low noise level and low power consumption.

BIOCOMPACT II 610

- Compact, highly reliable refrigerator / freezer for the stable storage of biomaterial.
- 695 x 868 x 1875/2075 mm.
- Versatile interior configuration to meet a wide range of storage needs.
- Available as a refrigerator RR (+2˚C to +20˚C) or freezer RF (-25˚C to -5˚C).
- Features a top mounted compressor, high performance refrigeration system, finned tube evaporator and forced air distribution.
- White lacquered steel or stainless-steel exterior.
- ABS interior with stainless steel wall rails for mounting fittings.
- Automatic re-evaporation of defrost water.
- Gross volume 583 litres / Weight 114 kg.
- Modules for shelves (24) and drawers (12).
- Vacuum insulated panel technology and safe closing system.
- Insulated inner doors.
- 1 access port (24.5 mm).
- Acoustic and visual high/low temperature alarms and door alarm.
- Low noise level and low power consumption.
- Internal / external ATEX compliance.
- Full range of accessories and fittings available.

VERTICAL AUTOCLAVES

- Available in 4 sizes (80L, 96L, 133L, 150L).
- Stainless steel construction.
- Low loading height.
- Lifting and pivoting mechanism with electric drive and a lifting capacity of 30kg. Rotates 360°.
- Closed floor plan with water detector and aquastop.
- Rapid water re-cooling system with air circulating fan for fast and water-saving cooling of liquid media in open and closed containers.
- Maintenance rollers as standard.
- Easy to use, colour touch screen.
- Integrated printer for batch documentation.
- Secure door locking mechanism and inflatable door seal.

FLOOR STANDING AUTOCLAVES

- Available in 3 sizes (72L, 150L, 200L).
- Stainless steel construction
- Available in a "Pass-through" design with a gas-tight partition (bioseal). Using an optional display on the unloading side, the autoclave can be fully operated from both sides.
- Ergonomic loading height with transport and batch carts.
- Touch screen control with user friendly software.
- Lifting and pivoting mechanism with electric drive and a lifting capacity of 30kg. Rotates 360°.
- Integrated steam generator separate from the sterilisation chamber for rapid heating and cooling.
- For the sterilisation of pathogenic substances in level S2/S3 laboratories, a steam-sterilisable exhaust air filter (retention rate for gases: 0.01 μm), with inline condensate sterilisation is stipulated.
- Steam air mixture method for the sterilisation of securely closed bottles and pressure sensitive materials.
- Closed floor plan with water detector and aqua-stop.
- Rapid water re-cooling system with air circulating fan.
- High performance vacuum pump for optimal ventilation of sterilised materials.
- Windows compatible, SteriLog documentation software for automatic data processing in a graphic / numeric PDF log.
- Integrated USB socket and batch printer.
- Accessories include stainless steel sterilisation baskets, pails and containers.

SERIES 26-PH WASHERS

- 316L stainless steel, pharma grade washer suitable for cleanroom use.
- Modular design concept for customised solutions to meet specific user requirements.
- Optimised footprint for side by side applications.
- 4 options available: (1) double door washer with swiveling hatch doors; (2) double door washer with vertical sliding doors; (3) single door washer with swiveling hatch door; (4) single door washer with vertical sliding door.
- Dead-leg free chamber design with radiused corners and electrically (mirror) polished washing chamber.
- Self-draining re-circulation pumps (e.g. Hilge).
- Final rinse options.
- Diaphragm valves (e.g. Gemu, Sisto) fitted with TriClamp connections for WFI (water for injection) and WPU (purified water).
- Orbitally welded piping with TriClamp or aseptic sterile flanges (e.g. Sudmo, Neumo).
- High performance drying unit with H13 filter as last element in the airflow.
- Non stainless parts are FDA approved.
- State-of-the-art SPS controllers (e.g. Siemens S7).
- Data acquisition according to 21CFR Part 11 guidelines.
- Extensive documentation and IC/OQ support including FAT and SAT.
- Conforms with cGMP, GAMP and FDA guidelines.

UV-SEL 670 CABINET

- Specially designed to combat SARS-COV-2 that causes COVID 19.
- Designed for the decontamination and sterilization of 99% in 30 minutes of surfaces and objects with and without humidity that may have been in contact with bacteria and viruses.
- Stainless steel interior and exterior and available with glass (UV filter) or stainless steel door.
- Touch screen with hourly programming.
- Registration of up to 10 users and USB with daily data logging up to 6 months.
- Resistant to chemical agents.
- UVC wavelength: 254 nm. Radiation power: UVC 360 microwatts / CM2. Radiation dose per minute 4.5 KJ.
- Height adjustable shelf supports.
- Level adjustable front foot supports. Supplied with wheels.
- Change of direction of door opening.
- Door with lock and key.

INFRARED THERMOMETER

- No contact, infrared thermometer for taking body temperature.
- Measurement option in dual mode "Front / object", measurement in 1 second.
- F1: temperature alarm point.
- F2: temperature compensation.
- F3: open / closed warning tone.
- F4: body / object temperature.
- Measurement distance: 5-20 cm.
- Operating environment: 10-40°C ≤80% humidity.
- Object: 0-100 °C.
- Body mode: 2-42.9 °C.
- Memory: 32 sets.
- Accuracy: ± 0.2 °C.
- Screen resolution: 0.1 °C.
- Automatic shutdown when idle.
- Unit size: 88x44x61 mm. Weight: 160g