don whitley
scientific

Product Catalogue

Whitley Workstations

Bacterial Enumeration

Rapid Microbiological Methods

Sample Preparation

Media Preparation

Autoclaving

Environmental Monitoring

Laboratory Automation

General Laboratory Products

February 2011

Message from the Chairman

Quickly growing from three people working in the spare bedroom of a terraced house to 50 people working in 30,000sq.ft of well equipped premises, the company also has subsidiaries in Australia and Germany. With an extensive distribution network Don Whitley Scientific Limited can offer scientists everywhere an unrivalled range of products and services.

Our product range has become truly world class, specified by discerning scientists in over 40 countries.

Research and development activities focus on the utilisation and enhancement of exisiting technologies and the development of innovative and novel products for use in microbiology and cell culture.
Ten percent of our turnover – considerably more than the UK average – is invested in product development and has allowed us to achieve the objective of one major product launch each year.

Established over 15 years ago, the contract microbiology laboratories deliver specialist microbiological support services to a range of industries at home and abroad. Highly qualified laboratory staff provide customer support, devise new applications and protocols, and conduct research studies including specific experience with all aspects of antimicrobial development programmes. As customers you will appreciate the quality of work produced from these purpose-built GLP–compliant laboratories.

Don Whitley Scientific Limited recently celebrated 30 years in business – these have been exciting and dynamic years for us all.

Don Whitley
Chairman

Don Whitley was presented with the 'Lifetime Achievement Award' at the 2004 Lab News dinner.

Don Whitley Scientific – Company Profile

Company history

Don Whitley Scientific Limited develops, manufactures and sells instrumentation and associated products for microbiological and cell culture applications. It also provides microbiological contract services in its GLP-compliant laboratories. The company sells to both public and private sectors, is based in Shipley, West Yorkshire and is an independent, family-owned business.

The company currently sells a range of microbiology products to customers in 40 countries. These products range from anaerobic jars to automated instrumentation for the detection and enumeration of microorganisms, to a high quality microbiology contract service.

Established in 1976, the company enjoys a wealth of experience in microbiology, design, engineering and marketing. It was granted Millennium Product status for two of its products – the range of Whitley Anaerobic Workstations and the WASP spiral plater. A key factor in Don Whitley Scientific's success has been a consummate pride in offering customers a professional and efficient service. This awareness of customers and their needs prompted investment in improved service back-up and the construction of a suite of microbiology laboratories.

In the UK, Australia and Germany products are sold directly by Don Whitley Scientific. In other countries the products are sold through exclusive agreements with distributors.

The contract microbiology services are all handled directly from the Shipley laboratories. The contract research studies embrace all aspects of antimicrobial development programmes – including efficacy, safety, and clinical trial studies with an increasing emphasis on antimicrobial resistance work. The laboratories also have extensive experience in working within the animal feed industry as well as with the medical device, textile and chemical industries.

Company structure

Whilst the company can be divided into the listed functions – Sales, Production, Service, Laboratory, Product Development, Warehousing, Accounts, and Administration – each part makes up the whole and it is this team effort that provides quality products and service to its customers. We are ISO 9001:2008 registered.

Don Whitley Scientific products are manufactured at the company headquarters in Shipley. This site totals $300m^2$ and includes dedicated microbiology laboratories, service support suite and new product development facilities – thus concentrating all technical expertise on one site alongside production, sales and administration functions.

Research and development

The company's research and development activities are focused on the enhancement of existing technologies and the development of novel microbiological and tissue culture products and services. The company seeks to enhance its competitive position through a process of continuous product improvement and new product development.

Over the years the company has won a number of Department of Trade & Industry competitive SMART awards to help fund research and development. One of the grants led to the development of the range of Whitley Anaerobic Workstations.

The contract research business is also supported by a strong internal R&D programme which has focused on the development of in vitro model test systems relevant to the study of antimicrobial residues.

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Whitley Workstations

Whatever modified atmosphere is applicable to your needs, we offer solutions ranging from basic gas jars to the most sophisticated workstations on the market.

We have tried to protect your investment at all levels by ensuring that our systems can be modified and adapted as your needs change –
for example:

Jars can be upgraded to work with Whitley Workstations ...

... and using the Whitley Jar Gassing System dramatically reduces operating costs when compared with the use of gas generating envelopes

The Whitley DG250 Workstations can be operated as an anaerobic or microaerobic workstation giving you greater flexibilty as your workload increases.
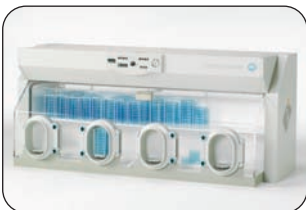
And for laboratories with high sample throughput or where a number of anaerobic experiments are carried out at the same time, the Whitley 1000 Workstation, with its 1080 plate capacity, is particularly effective.

One of the requirements of the design brief for the Whitley Workstations range was to offer as many workstation configurations and atmospheric variations as possible.

We are confident you will agree that our comprehensive workstation range more than fulfills this objective.

Anaerobic Jars

Our anaerobic jars are robustly constructed in stainless steel and are simple to use. They have a positively located lid fitted with the unique Whitley Schrader® Valve System and carrier clips for Oxoid Low Temperature Catalyst Sachets. They can be used with either Gas Generating Envelopes or cylinder gas and will vent automatically if excess pressure is applied.

A00002   48 Plate Anaerobic Jar
10 litre capacity
330mm high
250mm deep (internal)
215mm diameter (internal)

A00005   9 Plate Anaerobic Jar
3 litre capacity
220mm high
140mm deep (internal)
155mm diameter (internal)

9 & 48 Plate Anaerobic Jars

Accessories

A00007   48 Plate Petri Dish Holder
To fit inside a 48 plate stainless steel jar
A02534   10 Plate Petri Dish Holder
To fit inside a 9 plate stainless steel jar
A00027   Pair of Chuck and Clips
For use with Whitley Schrader® Valve Venting System
A00028   Dial Manometer Mounted on Chuck
For use with Whitley Anaerobic Jars

Consumables

A00010   Oxoid Low Temperature Catalyst Sachets (pack of 5)

Spare Parts

A00016   Nitrile Rubber 'O' Ring
Used to seal Whitley 48 plate jars
A00017   Nitrile Rubber 'O' Ring
Used to seal Whitley 9, 10 & 12 plate jars
A00025   Schrader Valve

All jars are supplied complete with 2 valves, the appropriate number of Oxoid Low Temperature Catalyst Sachets and an 'O' Ring.

In addition, the following spares are packed inside the jar: 2 Valve Cores, an 'O' Ring, the appropriate number of Oxoid Low Temperature Catalyst Sachets and 6 Nitrile Washers.

Whitley Workstations

Whitley DG250 Anaerobic Workstation

The revolutionary way to grow anaerobes and microaerophiles in micro. Our award-winning design team has created a workstation that provides both a generous working area and an incubation capacity of 240 x 90mm Petri dishes. This gives the Whitley DG250 Workstation an impressive 33% more capacity than any other unit of comparable size. Where space in the laboratory is limited, the DG250 Workstation requires just 810mm of bench width. It has a lift-off 'all-in all-out' facility to allow the convenient addition and removal of bulk samples and equipment.

Whitley DG250 Workstation

A03000   Whitley DG250 Workstation

Workstation with single or dual
'rapid lock' porthole operation.
Anotox™ and Catalyst
Internal spotlight
6 x 10 plate Petri dish holders
1 x pair of latex-free sleeves
2 x pair of cut-to-size cuffs
Sleeve O-rings
Drylube talc
Spare fuses
Allen keys

Options

A03125   Single plate entry system (letterbox)
For quick and easy transfer of individual plates

A03225   Single plate entry system (letterbox)
Long support tray for larger items

A03325   Single plate entry system (letterbox)
Folding support tray to maximise working area

A03113   Automatic sleeve gassing system
Sleeves are evacuated and re-gassed automatically

A03144   Internal power socket (Optional at build)

A03115   Storage Tray
A maximum of two provide storage for pipettes, loops, pens, etc

Accessories

A00006   Electronic gas leak detector

A02750   Basket Tag Set
Seven colour tag set containing 20 x 7 assorted colours

A03001   Adjustable height trolley

A03003   Lighting pod

A03002   Whitley DG250 anaerobic indicator pump ('Bubbler')

A02534   10 Plate Petri dish holder (basket)

Consumables

A03120   Catalyst recharge (460g)

A03130   Anotox™ recharge (2 x 380g)

A00069   Drylube Lubricating Powder for Gloves and Sleeves (200g pack)

Whitley A35 Anaerobic Workstation

The Whitley A35 Anaerobic Workstation is the latest innovation in workstation technlogy. Complete with built-in, rapid airlock and intuitive touch-screen control panel, this workstation allows you to work completely glove and sleeve-free. The 12 litre airlock has the capacity to transfer up to 40 Petri dishes into the workstation in 60 seconds. Options and accessories are available to tailor the workstation to your requirements.

A07000   Whitley A35 Sleeveless Anaerobic Workstation

     10 litre capacity
     330mm high
     250mm deep (internal)
     215mm diameter (internal)

Whitley A35 Sleeveless Anaerobic Workstation

Factory Fitted Options

A06121   Removable Front with Instant Access Ports

A06103   15cm Letterbox

A06106   Double Internal Power Socket

A02945   Spare Cable Gland

Software Options

A07200   Data Logging of Temperature, Pressure and Humidity

A07201   Electronic Anaerobic Monitoring System

Accessories

A06110   Trolley

A06114   Internal Storage Tray (maximum 2 per unit)

A00006   Gas Leak Detector

A02750   Basket Tag Set

A02534   10 Plate Petri Dish Rack

Whitley A85 Anaerobic Workstation

The Whitley A85 is an anaerobic workstation with a 30 litre airlock, environmental control systems, touch screen interface, and our unique motorised gloveport system. Each gloveport also acts as a mini-airlock for up to 20 plates each. Both the working and storage areas of the chamber are temperature controlled with a low temperature gradient throughout. This allows the full internal chamber volume to be used for incubation if desired (maximum 500 plates). It is dual gas operated and temperature can be controlled from 5°C above ambient up to 45°C.

A07300   Whitley A85 Sleeveless Anaerobic Workstation

Factory Fitted Options

A02711   9cm Letterbox

A02617   Double Internal Power Socket

A02945   Spare Cable Gland

A06116   Automatic Sleeve Gassing System

A02780   20 Plate Adaptor Kit

A05009   Refrigeration Unit

Whitley A85 Anaerobic Workstation

Software Options

A07200   Data Logging of Temperature, Pressure and Humidity

Accessories

A07302   Trolley

A02129   Anotox

A02130   Catalyst

A02490   Airlock Transfer Tray

Whitley Anaerobic Workstations

In the following pages we will describe the features and capacities of the Whitley Anaerobic Workstation range.

A05000   Whitley MG500 Anaerobic Workstation
A05012   Whitley MG500 Anaerobic Workstation (110 volt)
A05001   Whitley MG1000 Anaerobic Workstation
A05014   Whitley MG1000 Anaerobic Workstation (110 volt)
A05024   Whitley MG500 Anaerobic Workstation with MG Airlock Module
A05025   Whitley MG500 Anaerobic Workstation with MG Airlock Module (110 volt)
A05032   Whitley MG1000 Anaerobic Workstation with MG Airlock Module
A05033   Whitley MG1000 Anaerobic Workstation with MG Airlock Module (110 volt)
A05007   Whitley MG Airlock Module
A05043   Whitley MG Airlock Module (110 volt)

The above systems require a cylinder of anaerobic gas mixture (10% H2, 10% CO2 an 80% N2) to operate. Workstation only - anaerobic gas supply connects to the workstation top-box. Workstation with airlock - anaerobic gas supply connects to the rear of the airlock.

A05018   Whitley DG500 Anaerobic Workstation
A05008   Whitley DG500 Anaerobic Workstation (110 volt)
A05028   Whitley DG1000 Anaerobic Workstation
A05029   Whitley DG1000 Anaerobic Workstation (110 volt)
A05026   Whitley DG500 Anaerobic Workstation with MG Airlock Module
A05027   Whitley DG500 Anaerobic Workstation with MG Airlock Module (110 volt)
A05034   Whitley DG1000 Anaerobic Workstation with MG Airlock Module
A05035   Whitley DG1000 Anaerobic Workstation with MG Airlock Module (110 volt)

The above systems require a cylinder of anaerobic gas mixture (10% H2, 10% CO2 and 80% N2) and a cylinder of nitrogen (N2) to operate. Workstation only - both gas supplies connect to the workstation top-box. Workstation with airlock - anaerobic gas supply connects to the rear of the airlock and the nitrogen supply connects to the workstation top-box.

A05022   Whitley MG500 Anaerobic Workstation with TG Airlock Module
A05023   Whitley MG500 Anaerobic Workstation with TG Airlock Module (110 volt)
A05030   Whitley MG1000 Anaerobic Workstation with TG Airlock Module
A05031   Whitley MG1000 Anaerobic Workstation with TG Airlock Module (110 volt)
A05005   Whitley TG Airlock Module
A05021   Whitley TG Airlock Module (110 volt)

The above systems require three separate cylinders of H2, N2 and CO2 to operate. This enables the use of our patented three-gas system, which considerably reduces operating costs. Workstation only - this system is only available when an airlock is fitted. Workstation with airlock - all three gas supplies connect to the rear of the airlock.

Whitley 1000 Anaerobic Workstation

Options

A05009 Refrigeration Unit

Designed to maintain a lower than normal temperature within the incubation and working area. The standard refrigeration unit is designed to operate at 8±1˚C when located in an ambient temperature of 21±2˚C. Other set temperatures are achievable, but require discussion with our Product Development department in advance. Must be ordered at the time of build

A02711 Single Plate Entry System (Letterbox)
For quick and easy transfer of individual plates. Must be ordered at the time of build

A02617 Internal Power Socket
Must be ordered at the time of build

Accessories

A02580 Microscope and Bracket Assembly
A long focal length microscope, complete with bracket, fixtures and fittings

A05002 Whitley Workstation 500 Trolley
A new, flat-pack trolley has been designed for the Whitley Workstation 500 or 500 and Airlock. One of the main advantages, particularly for our international customers, is that this version of the trolley fits into the package with the workstation so there is no additional freight cost.

A05003 Whitley Workstation 1000 Trolley
A purpose-designed tubular steel trolley of welded construction with white powder-coated finish, equipped with heavy duty castors for ease of mobility. Suitable for any Whitley 1000 workstation

A05006 Trolley Extension to accommodate Whitley Workstation Airlock
Converts any Whitley 500 or 1000 trolley to accommodate an airlock module

A00054 Hydrogen / Anaerobic Gas Mixture Regulator – Two-Stage
Suitable for anaerobic gas mixture or hydrogen – with fittings

A00056 Carbon Dioxide Regulator – Two-Stage Includes fittings

A00057 Nitrogen Regulator – Two-Stage Includes fittings

A02563 Hydrogen Reservoir – Unvented *(4 Litre)*
Required when hydrogen is supplied for a TG system via a hydrogen generator. Complete with box and fittings

A05019 Whitley Workstation Anaerobic Indicator Pump (Bubbler)
Bubbles internal atmosphere through anaerobic indicator solution to provide an indication of suitable anaerobic conditions
Battery requires charging from socket so A02617 must be specified on the Whitley Workstation or battery transferred through parts

A02750 Basket Tag Set
Seven colour tag set containing 20 x 7 assorted colours

A02780 20 Plate Adaptor Kit
Right and left porthole attachment, thumb nuts, 2 x 20 plate Petri dish holders

A02534 10 Plate Petri Dish Holder (Basket)

A02718 20 Plate Petri Dish Holder (Basket)
This is the basket used with the A02780 Whitley 20 Plate Adaptor Kit

A00210 30 Plate Petri Dish Holder (Basket)

A02490 Airlock Transfer Tray

Consumables

A02129 Anotox™ Sachet

A02130 Catalyst Sachet (400g)

A00038 Anaerobic Indicator of A & B Solutions (to make 1 litre)

A00069 Drylube Lubricating Powder for Gloves and Sleeves (200g pack) (UK Only)

A00243 Pressure Relief Fluid (1 litre)

A01923 Foam Cleanser (UK Only)

D00003 Labdet 100 (5 litres)

Workstation Sleeves

We offer a comprehensive range of sleeves and gauntlets alongside our recently introduced sleeve/cuff system. Neoprene is available in most of our formats to cater for those customers who have experienced difficulties working with latex.

Sleeve Kits

The sleeve components come as ready-assembled kits for ease of use. The standard unit is supplied with a flexible, robust latex wrist seal – one size fits all.

For customers concerned about latex allergies, the sleeve assemblies are available with Neoprene wrist seals – available in standard and large sizes.

Replacement sleeves and cuff rings are available should either of these components need replacing. Pairs of replacement wrist seals can also be purchased should they start to show signs of wear.

Sleeve Kit

Whitley Anaerobic Workstations
Complete sleeve kits

A02820   Sleeve kit with latex wrist seal (one size fits all) (pair)

A02830   Sleeve kit with Neoprene wrist seal (standard) (pair)

A02840   Sleeve kit with Neoprene wrist seal (large) (pair)

Replacement components for latex sleeve kits

A02821   Latex wrist seals (one size fits all) (pair)

A02715   PVC Sleeve (single)

A02716   Plastic sleeve cuff ring (single)

Replacement components for neoprene sleeve kits

A02831   Neoprene wrist seals (standard size) (pair)

A02841   Neoprene wrist seals (large) (pair)

A02715   PVC Sleeve (single)

A02716   Plastic sleeve cuff ring (single)   .

Whitley Workstations

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Whitley MK3 Workstations

Complete sleeve kits

A02850   Sleeve kit with latex wrist seal (one size fits all) (pair)
A02860   Sleeve kit with Neoprene wrist seal (standard) (pair)
A02870   Sleeve kit with Neoprene wrist seal (large) (pair)

Replacement components for latex sleeve kits

A02821   Latex wrist seals (one size fits all) (pair)
A02762   PVC Sleeve (single)
A02716   Plastic sleeve cuff ring (single)

Replacement components for neoprene sleeve kits

A02831   Neoprene wrist seals (standard) (pair)
A02841   Neoprene wrist seals (large) (pair)
A02762   PVC Sleeve (single)
A02716   Plastic sleeve cuff ring (single)

The component parts of the DWS sleeve system are available fully assembled and ready to be fitted to your workstation.

As the sleeve system can be broken down into its component parts, you can simply replace the cuffs rather than the complete sleeve, making these sleeves more cost effective than the old style.

One Piece Sleeves and Gauntlets
Whitley Anaerobic Workstations

A02645   28" Latex Gauntlets (small) (pair)
A02647   28" Latex Gauntlets (medium) (pair)
A02648   28" Latex Gauntlets (large) (pair)
A02649   28" Latex Sleeves (small) (pair)
A02650   28" Latex Sleeves (medium) (pair)
A02651   28" Latex Sleeves (large) (pair)

All the above sleeves and gauntlets have been specially designed to fit the Whitley Workstation porthole

All other Don Whitley Workstations

A02433   28" Latex Gauntlets (extra small) (pair)
A00121   28" Latex Gauntlets (small) (pair)
A00118   28" Latex Gauntlets (medium) (pair)
A00123   28" Latex Gauntlets (large) (pair)
A02434   28" Latex Sleeves (extra small) (pair)
A00033   28" Latex Sleeves (small) (pair)
A00034   28" Latex Sleeves (medium) (pair)
A00035   28" Latex Sleeves (large) (pair)

A00068   28" Neoprene Gauntlets (medium) (pair)
A00202   28" Neoprene Gauntlets (large) (pair

Whitley Variable Atmosphere Workstations

In the following pages we will describe the features and capacities of the Whitley VA Workstation range.

The above workstations require four separate cylinders of CO_2, N_2, 10% H_2 in N_2 and compressed air

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Whitley VA Workstations can be used by two different groups of scientists

1. Those involved in the culture of micro-organisms such as helicobacter spp & campylobacter spp

2. Those involved in the culture of mammalian cells under hypoxic environments typically in cancer research, research into stroke mechanisms, stem cell research and embryology.
The user can specify the oxygen levels in the workstation from ≤1.0% up to 22.0% and therefore create the exact environment they require.

(Catalyst and Anotox™ will be required for very low oxygen environments. The user should consider an anaerobic chamber if the oxygen levels required are consistently below 1.0%)

Whitley Workstations

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Options

A05009   Refrigeration Unit

Designed to maintain a lower than normal temperature within the incubation and working area. The standard refrigeration unit is designed to operate at 8±1°C when located in an ambient temperature of 21±2°C. Other set temperatures are achievable, but require discussion with our Product Development department in advance. Must be ordered at the time of build

A02711   Single Plate Entry System (Letterbox)
For quick and easy transfer of individual plates. Must be ordered at the time of build

A02617   Internal Power Socket

Must be ordered at the time of build.

Accessories

A02580   Microscope and Bracket Assembly
A long focal length microscope, complete with bracket, fixtures and fittings

A05002   Whitley Workstation 500 Trolley
A new, flat-pack trolley has been designed for the Whitley Workstation 500 or 500 and Airlock. One of the main advantages, particularly for our international customers, is that this version of the trolley fits into the package with the workstation so there is no additional freight cost.

A05003   Whitley Workstation 1000 Trolley
A purpose-designed tubular steel trolley of welded construction with white powder-coated finish, equipped with heavy duty castors for ease of mobility. Suitable for any Whitley 1000 workstation

A05006   Trolley Extension to accommodate Whitley Workstation Airlock
Converts any Whitley 500 or 1000 trolley to accommodate an airlock module

A00054   Hydrogen / Anaerobic Gas Mixture Regulator – Two-Stage
Suitable for anaerobic gas mixture or hydrogen – with fittings

A00056   Carbon Dioxide Regulator – Two-Stage Includes fittings

A00057   Nitrogen Regulator – Two-Stage Includes fittings.

A01554   Air Regulator – Two-Stage Includes fittings.

A02750   Basket Tag Set
Seven colour tag set containing 20 x 7 assorted colours

A02780   20 Plate Adaptor Kit
Right and left porthole attachment, thumb nuts, 2 x 20 plate Petri dish holders

A02534   10 Plate Petri Dish Holder (Basket)

A02718   20 Plate Petri Dish Holder (Basket)

This is the basket used with the A02780 Whitley 20 Plate Adaptor Kit

A00210   30 Plate Petri Dish Holder (Basket)

A02490   Airlock Transfer Tray

Consumables

A00069   Drylube Lubricating Powder for Gloves and Sleeves (200g pack)

A00243   Pressure Relief Fluid (1 litre)

A01923   Foam Cleanser (UK Only)

D00003   Labdet 100 (5 litres)

Whitley Jar Gassing System

A fast, automated system for incubating anaerobic or microaerophilic organisms. The Whitley Jar Gassing System runs from one cylinder of mixed gas and easily fits into any laboratory routine. There are separate cycles to prepare anaerobic or microaerobic conditions.

A05020   **Whitley Jar Gassing System**
Microaerophilic conditions created in 15 seconds
Anaerobic conditions created in less than 2 minutes
Single button operation
Built-in diagnostic checks
Reduces the cost of creating microaerobic conditions
by up to 98%
Compatible with all Whitley Workstations

Whitley Jar Gassing System with 10 Plate Polycarbonate Jar

A05077   **Whitley Jar Gassing System**
10 Plate Polycarbonate Jar
2.5 litre capacity
250mm high
215mm deep (internal)
115mm diameter (internal)

A05075   **Whitley Jar Gassing System**
9 Plate Stainless Steel Jar
3 litre capacity
220mm high
140mm deep (internal)
155mm diameter (internal)

Whitley Jar Gassing System with 10 Plate Polycarbonate Jar

A05076   **Whitley Jar Gassing System**
48 Plate Stainless Steel Jar
10 litre capacity
330mm high
250mm deep (internal)
215mm diameter (internal)

All the jars mentioned above are fitted with a lid connector to make them compatible with the Whitley Jar Gassing System.

Accessories

A00007   **48 Plate Petri dish holder** To fit inside a 48 plate stainless steel jar

A02750   **Basket Tag Set**
Seven colour tag set containing 20 x 7 assorted colours

A05072   **Adaptor kit for Whitley Jar Gassing System 10 plate polycarbonate jar** *

A05080   **Adaptor kit for jars fitted with pre-drilled holes** *

A00010   **Oxoid low temperature catalyst sachet** (pack of 5)

A05073   **Catalyst sachet holder** To fit Whitley Jar Gassing System 10 plate polycarbonate jar

A05083   **Gas line tee-piece to connect Whitley Jar Gassing System to existing gas line**

A02854   **Lid connector**

A02878   **'O'Ring** To fit Whitley Jar Gassing System 10 plate polycarbonate jar

A02913   **Mixed Gas Regulator**

* Refer to Technical Note: MA70

Whitley H35 Hypoxystation

The H35 Hypoxystation is specifically designed to create normoxic, hypoxic and anoxic conditions within a controlled and sustained workstation environment. This workstation is ideal for research requiring the ability to accurately control oxygen, carbon dioxide, temperature and humidity.

A06000   H35 Hypoxystation
Control O_2 in 0.1% increments from 0.1% to 20%
Control CO_2 in 0.1% increments from 0.1% to 15%
Carry out straightforward calibration of gas sensors
Control temperature easily and precisely
Control relative humidity up to 90%

Whitley H35 Hypoxystation

Factory Fitted Options

A06100 CO_2 Monitoring

A06101   Removable Front

A06102   Vacuum Take-off Port

A06103   15cm Letterbox

A06104   Humidification System

Adds moisture in minute droplet form enabling rapid, sustained and accurate humidity control up to 90% RH.

A06123   Humidification System with 15cm Letterbox

A06106   Double Internal Power Socket

A06107   Gas Sample Port

Software Options

A06109   Data Logging

A06108   Data Logging with Oxygen Profiling

Accessories

A06110   Trolley

A02130   Catalyst

A02129   Anotox

A06114   Internal Storage Tray (maximum 2 per unit)

A03113   Automatic Sleeve Gassing System

A02945   Spare Cable Gland
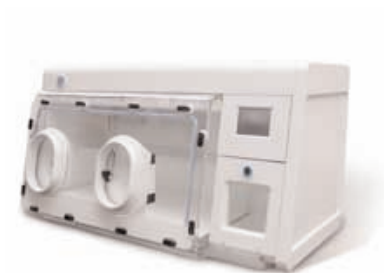
Whitley H35 Hypoxystation with removalbe front

Whitley H85 Hypoxystation

The H85 Hypoxystation is also designed to create normoxic, hypoxic and anoxic conditions within a controlled and sustained workstation environment. This Hypoxystation has a large 30 airlock, remote controlled motorised gloveports, and has the option of a refrigeration unit.

A06002   H85 Hypoxic Workstation

Control O_2 in 0.1% increments from 0.1% to 20%
Carry out straightforward calibration of O_2 sensors
Control temperature between 5˚C above ambient and 45˚C
Control relative humidity up to 90% RH (ambient temperature dependant).
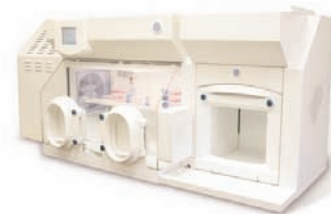
Whitley H85 Hypoxystation

Factory Fitted Options

A06100	CO_2 Monitoring
A06102	Vacuum Take-off Port
A03113	Automatic Sleeve Gassing System
A02945	Spare Cable Gland
A06107	Gas Sample Port
A02711	Single Plate Entry System
A02617	Double Internal Power Socket

Optional Accessories

A02490	Airlock Transfer Tray (maximum 2 per unit)
A05002	Trolley
A05006	Trolley Extension to Accommodate Airlock

Software Options

A06109	Data Logging
A06108	Data Logging with Oxygen Profiling

For Anoxic Atmosphere

A02129	Anotox Sachet
A02130	Catalyst Sachet
A02643	Anotox or Catalyst Sachet Cradle

Spiral Plating

Spiral Plating as a method for the enumeration of micro-organisms is both well documented and validated. With in excess of 3,000 spiral platers in use worldwide, this method of enumeration is now regarded as the de facto standard for plate counts by most advanced laboratories.

The WASP 2 (Whitley Automatic Spiral Plater) takes advantage of contemporary technology to offer microprocessor-controlled stepper motor motion to streamline and automate traditional spiral plate techniques.

WASP 2:
- eliminates the need for serial dilutions
- requires minimal set up time
- reduces cost per test
- standardises counting methods

Spiral platers are used extensively in the food industry to test for safe levels of bacteria; non-food applications include pharmaceuticals, cosmetics, water, and mouth and skin bacteria.

S00600 **WASP 2 (Whitley Automated Spiral Plater)**

Includes:
Water Pots, Spare Bleach Bottle, Disposable Beakers and Tool Kit

WASP 2 Spiral Plater

S00602 **Whitley Vacuum Source and Reservoir**

This complete system provides the steady 18-20" Hg of vacuum

necessary for spiral plater operation

Includes:
Spare Flask

Whitley 602 Vacuum Source

Options

S01742 15cm Plate Option Kit (for MIC testing)
Please state serial number of existing unit if purchased separately

Accessories

S01861 SC5 Stuart Colony Counter
Pressure sensitive colony counter for quick and accurate counting of bacterial and mould colonies

S00113 Manual Counting Grid for Spiral Plates
Two of these grids are included with each WASP

S02230 Compressed Spiral Counting Grid

S02232 Compressed Spiral Counting Tables Pack
(Includes instructions, counting grids and laminated tables)

Consumables

S01419 Autoclavable water pot for sterile water (pack of 10)

B00039 5ml Disposable Beaker (pack of 1,000)
Specifically designed sample beaker for WASP

S01391 Bleach Reservoir Bottle

S02070 Powdered Ink (PINK) – makes up to 250ml of blue ink for the dye plate test

A01923 Foam Cleanser (UK Only)

Whitley Spiral aCOLyte

The new Whitley Spiral aCOLyte provides rapid, efficient colony counts from spiral plates. Simple and convenient to use, it introduces huge time savings and significantly improves efficiency in any laboratory.

aCOLyte was developed in response to a demand for rapid plate processing. The Whitley Spiral aCOLyte incorporates a sophisticated image analysis software to ensure rapid and accurate counts with minimum user intervention. With a compact, modern design it is simple to use. Load the software and start counting. An on-screen wizard helps you set up the system. Full colour images of each plate are displayed and also stored for future reference.

Users can select from either the 'Click and Count' or 'Supercount' software, depending on throughput. In 'Click and Count' mode, the Whitley Spiral aCOLyte counts up to four colonies per second – just point and click for instant logging. Total plate count and dilutions are calculated automatically and transcription errors are eliminated. Upgrading to 'Supercount' provides instant, fully automatic detection of up to 500 colonies per second which is 100 times faster than manual methods.

The Whitley Spiral aCOLyte is suitable for counting colonies on any 90mm spiral plate and can be used for a wide range of microbiology applications.

S01990	Whitley Spiral aCOLyte Click and Count
S02000	Whitley Spiral aCOLyte Supercount

Whitley Spiral aCOLyte

Accessories

S02008	Powered 4 Port USB Hub (if your PC does not have sufficient USB ports)
S02010	aCOLyte Compatible PC
S02011	aCOLyte Compatible TFT Monitor and Speakers
S02012	HP Inkjet Printer
S02036	USB Printer Connection Cable

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ProtoCOL2 Colony Counter and Zone Reader

ProtoCOL2 is a fully automatic colony counting and zone sizing system specifically designed for microbiology and virology applications. A high specification CCD camera complete with a system of LED lighting and wrap-around doors help to eliminate the effects of external lighting and provide perfect illumination for imaging any coloured colony plate. Colonies as small as 43 microns can be counted on standard pour plates, surface inoculated plates, spiral plates, and a range of other application options. Zones can be automatically measured for potency testing, antibacterial susceptibility and virology applications.

ProtoCOL2 has been designed to offer the microbiologist full compliance with Good Laboratory Practice and support of 21CFR Part 11.

ProtoCOL UV is a powerful imaging system used to count both UV and white light illuminated colonies. This system allows you to instantly capture, print and save images such as: dark, light and multi-coloured colonies; fluorescent colonies; colonies expressing Green Fluorescent Protein; zones of inhibition; and viral plaques.

S02200	ProtoCOL2 Colony Counter
	Complete with touch screen colour monitor, ProtoCOL2 Colony Counter software, cables and instruction manual.

ProtoCOL 2

S02201	ProtoCOL2 Zone Reader
	Complete with touch screen colour monitor, ProtoCOL2 Zone Reader software, cables and instruction manual.

S02175	ProtoCOL UV
	Imaging system for counting UV and white light illuminated colonies.

Options

S02202	Counting software module for spiral plates	
	Includes validation plate	
S02203	OPKA software module	
	Used to evaluate *Streptococcus pneumoniae* vaccines	
S02204	Ames software module	
	Used to test the mutagenic potential of chemical compounds	
S02205	Multi-sector plates software module	
	Used for such processes as air sampling	
S02206	SBA software module	
	Used to measure immunity to *Neisseria meningitides*	
S02207	UDS software module	
	Includes validation plate	
S02208	Zone module for use on ProtoCOL2 Count (including validation)	
S02209	Count module for use on ProtoCOL2 Zone (includes 3 validation plates)	
	Includes validation plate	

ProtoCOL UV

RABIT

Rapid Automated Bacterial Impedance Technique

The way forward for automation in the microbiology laboratory. Direct and indirect impedance measurements and modular design provide a totally flexible screening system with Windows™ – based software adding usability and value. Unlike the standard plate methods which only measure microbial activity at a single point in time, RABIT monitors real time activity and thereby produces two significant benefits:

• results are determined in a significantly shorter time frame compared to conventional microbiology

• information not normally produced using standard methodology is made available, thereby improving the understanding of microbial activity in the test system.

Up to 32 re-usable cells can be incubated in a single module and the system can be expanded up to a total of 16 modules to give a capacity of 512 individual tests.

The basic RABIT system consists of a PC, additional data logging board, standard QWERTY keyboard, mouse, high resolution colour monitor, laser printer and an incubator module. This system offers the following benefits:

• Flexible modular design   • Fast detection times   • Increased throughput
• Simplicity of use   • Re-usable test cell   • Low cost per test
• Direct and indirect techniques   • Variable sample volume   • Access to culture during tests

R02000   RABIT for Windows™
RABIT Computer, Keyboard,
Laser Printer, Colour Monitor,
1 Ream of Paper, User Manual,
500gm WIB Media and a
comprehensive range of accessories
including cleaning aids

RABIT for Windows™ System shown with
2 x 32 channel incubator modules

R01020   32 Channel Incubator Module
96 Impedance Cells, Rack for cells,
Baskets, spare electrode, 'O' rings and
pressure seal caps with silicone inserts

R02002   RABIT 4 Windows™ Upgrade

R01146   SPC Software
Automatic downloading of RABIT data into a statistical process control package, allowing accurate and simplified trend analysis and permitting implementation of systems such as HACCP

Accessories

R01052   Rack to hold up to 4 RABIT Modules and the CPU Unit
Units may be linked either back-to-back or side-by-side. If a side-by-side configuration is required, each rack needs to be attached to a load-bearing wall

R01140   RABIT Test Cells
A set of calibrated temperature and impedance test cells – a must for customers who are working within the framework of a quality system such as UKAS

R01073   Rack for 40 RABIT Cell

Windows is a registered trademark of Microsoft Corporation

Consumables

R00405	Borosilicate Inner Tubes (pack of 1,000)
R00407	Rubber Bungs (pack of 10)
R00995	RABIT Impedance Cells (pack of 8)
R00283	Cell Cleaning Brush (pack of 10)
R00334	Polypropylene Outer Tube (pack of 8)
R00335	Electrode Complete with 'O' Rings (pack of 8)
R00338	Spare Electrode 'O' Rings (pack of 100)
A01429	Scotchbrite Hand Pad For cleaning electrode pins
R00336	Pressure Seal Cap with Silicone Insert (pack of 8)
R00337	Silicone Insert for Cell Cap (pack of 8)

RABIT Cells

Impedance Media

G50001	Whitley Impedance Broth (500g)
G50003	Whitley Enterobacteriaceae Broth (500g)
G50004	Whitley Gram Negative Broth (500g)
G50006	Whitley Anaerobe Broth (500g)
G50007	Whitley MacConkey Broth(500g)
G50008	Easter Gibson Salmonella Media (100g)
G50009	TMAO Supplement (10 x 100ml)
G50010	Wort Broth (500g)
G50011	Maximum Recovery Diluent (500g)
G50013	Buffered Peptone Water (500g)
G70003	Chloramphenicol for use with Wort Broth 1 vial/500ml (Pack of 10 vials)
G70004	Oxytetracycline for use with Wort Broth 1 vial/500ml (Pack of 10 vials)

Dilumat S Diluter

The Dilumat S incorporates an innovative central structure to support a rotating dispensing arm. This enables the arm to rotate away from the sample preparation area once the diluent has been dispensed. An improved pump arrangement makes the unit easier to clean and larger bore tubing speeds up the whole process without any loss of precision.

S02170   Dilumat S Diluter

Includes:
2 Complete Tubing Sets
1 Pump Head
1 Bag Holder
1 Set of Adhesive Pads for Bags
50 Standard Unfiltered Bags
1 Manual

Diumat S Diluter

Options

M10464   Thermal Ticket Printer

S01713   Bowl/Beaker Stand
This replaces the blender bag holder and allows the use of bowls or beakers

S02171   Additional Pump Head
Includes: 2 Tubing Set

Accessories

M10094   Priming Tube and Connector for Media Dispensing

M10493   Priming Nozzle

S01156   2 Litre Reservoir

S01157   5 Litre Reservoir

S02059   Diptube Assembly

S02180   RS232 Cable for PC Connection

S02112   External Bar Code Reader

Consumables

M30035   Silicone Tubing (per metre)

S00388   Adhesive Pads For Bags (pack of 50)

S01779   Puradisc Filter 0.2µ (single)

S01977   Pre-Cut Pump Tubing (pack of 5)

S02173   Complete Tubing Set

S02179   Lables for Thermal Printer

Dilumat 4 Diluter

S01910   Dilumat 4 Diluter

Includes:
2 Complete Tubing Sets
1 Pump Head
1 Bag Holder
1 Set of Adhesive Pads for Bags
1 User Manual

This instrument can be upgraded to a dual pump system by
adding an additional pump head (S01935)
This will allow the use of 2 different diluents.

Diumat 4 Diluter

S02120   Dilumat 4 x 4 Diluter

Includes:
4 Complete Tubing Sets
4 Pump Heads
1 User Manual
This instrument will allow the use of 4 different diluents

Options

Diumat 4x4 Diluter

S01935   Additional Pump Head
              Includes: 2 Tubing sets
S01984   Twin Pump Head Turbo Kit
              This can only be fitted to a standard Dilumat 4 (not 4x4) and will improve the instrument's cycle
              time. The kit includes an additional pump head and appropriate tubing, which piggy backs onto
              the existing pump/s. It will not allow the use of a separate diluent but will halve the dispensing
              time by allowing the diluent to be dispensed simultaneously by both pumps.

Accessories

S01743   Blender Bag Holder/Opener (acrylic)
S01732   Blender Bag Holder/Opener (holder only)
S02021   Blender Bag Holder/Opener (holder only)
              This blender bag holder is specifically for Euro blender bags with attachment holes
S01741   Blender Bag Holder to Hold 10 bags (acrylic)

Consumables

S01975   Complete Tubing Set
S01976   Complete Tubing Set without Nozzle
S01977   Pre-Cut Pump Tubing (pack of 5)
S01982   Dilumat 4 Turbo Tubing Set without Nozzles
S01983   Dilumat 4 Turbo Pre-Cut Tubing (pack of 5)
M30035   Silicone Tubing (per metre)
S01779   Puradisc Filter 0.2µ (single)
S00388   Adhesive Pads For Bags (pack of 42)
M30037   Tie Wraps (pack of 10)

EasyMIX

The EasyMIX blender gives high quality sample preparation by combining superior blending with a fast mix speed. An accurate electronic timer sets and stores the time for homogenisation.

Time savings of up to 50% can be made in this area with no compromise of homogenisation of sample or distribution of bacteria. EasyMIX is easy to maintain and clean as all the components, including the two removable paddles, are made of stainless steel.

S02125   EasyMIX Blender

Includes:
50 sterile 400ml bags

Options

S01972   Waste Drawer

Easymix Blender with Waste Drawer

Accessories

S00172   Blending Bag Rack to hold 10 bags (perspex)
S01744   Blending Bag Rack to hold 1 bag (perspex)
S01741   Blending Bag Holder to hold 10 bags (acrylic)
S01743   Blending Bag Holder to hold 1 bag (acrylic)

Consumables

B00199   Bag Closing Clips (pack of 50)
S00388   Adhesive Pads for Bags (pack of 42)

Smasher

Probably the quietest blender on the market, Smasher® features a peristaltic effect blending action (patent pending). It is considerably quieter than any other instrument available and now with the easily removed paddles (no tools required) is very easy to clean.

S02128   Smasher

Includes:
Waste Drawer
50 sterile 400ml bags

Smasher

Accessories

S00172   Blending Bag Rack to hold 10 bags (perspex)
S01744   Blending Bag Rack to hold 1 bag (perspex)
S01741   Blending Bag Holder to hold 10 bags (acrylic)
S01743   Blending Bag Holder to hold 1 bag (acrylic)

Consumables

B00199   Bag Closing Clips (pack of 50)
S00388   Adhesive Pads for Bags (pack of 42)

Labelmaster

Labelmaster® is an automated system for labelling and organising Petri dishes. It has been designed to print barcode labels and affix them to Petri dishes to help laboratory staff identify and sort samples quickly, easily and accurately. A printing unit outputs labels that are directly applied to the edge of the bottom part of the Petri dish. These are then stacked and sorted, sample by sample.

Labelmaster® handles up to 1000 plates per hour with a pneumatic plate delivery system to improve speed and accuracy. It has the capacity to stack 1075 dishes as standard. An optional storage unit increases this capacity to 1900.

M00044   Labelmaster

    Process up to 1000 plates per hour
    Hold 1075 plates as standard or up to 1900
    with optional storage unit

Options

M00046   Optional Storage Unit

Labelmaster

Automatic Pourer / Stackers

Either of the systems below will produce up to 750 plates per hour without the operator having to be on hand throughout the process.

M00040   APS320 90mm Automatic Pourer Stacker
          Standard format for 90mm Petri dishes

          Includes:
          3 Tubing Sets and Refrigeration Plate

M00041   APS320 55mm Automatic Pourer Stacker
          Special format for 55mm Petri dishes

          Includes:
          3 Tubing Sets and Refrigeration Plate

APS320 Pourer Stacker

Options

M00105   APS540 Carousel - available for 90mm plates only
          This will adapt an APS300 or APS320 to an APS540 and increases plate capacity

M00034   Second Pump Kit

M00035   Bi-Plate Option
          This must be specified at the time of order and cannot be retro fitted

M00027   Shaker Option - available for 90mm plates only
          This must be specified at the time of order and cannot be retro fitted

M10095   UV Lamp

M10202   Footswitch

Accessories

M30034   Pouring Tip

M30031   Tubing for Blood Addition

M30022   Distribution Side Nozzle

Consumables

M20023   Pre-Cut Pump Tubing Set (pack of 5)

M20024   Pre-Cut Tubing for Hand Lance (pack of 5)

M30035   Silicone Tubing (per metre)
          This is the uncut silicone tubing supplied by the metre to customers wishing to make up their own tubing sets

M30037   Tie Wraps (pack of 10)
          These are the special tie wraps used on all our Tubing Sets

APS One

The APS One is the latest product in the pourer/stacker range, designed to be compact (only 845mm tall) yet process 800 plates (18ml) in an hour. The carousel can hold 550 Petri dishes as standard with an optional store to bring the capacity up to 800. It is adapted for all 90mm and 55mm Petri dishes.

M00065   APS One Automatic Pourer Stacker
For 90mm Petri dishes
Standard capacity of 550 plates
Includes easy load peristaltic pump.

M00075   APS One Automatic Pourer Stacker
For 55mm Petri dishes
Standard capacity of 550 plates
Includes easy load peristaltic pump

M010593   APS One Automatic Pourer Stacker with 800 Plate Carousel

APS One Pourer Stacker

Options

M10607	800 Plate Carousel Kit
M10603	APS One Footswitch
S01984	Turbo Pump
M10602	LINX 4900 Printer Fitting Kit
M10464	Thermal Ticket Printer Includiing Adaptor

Consumables

M10604	Distribution Nozzle for 90mm Plates
M10605	Distribution Nozzle for 55mm Plates
M10592	90mm Turbo Tubing Set (without dispensing nozzle)
M10608	55mm Tubing Set (with dispensing nozzle)
M10609	90mm Tubing Set (with nozzle)
M10610	55mm Tubing Set (without nozzle)
S01977	Pre-cut Tubing (Pack of 5 lengths)

Accessories

M10601	Kit for 90mm Plates

Masterclave 09 Media Preparator

The Masterclave 09 is easy to operate and can be linked to plate pouring devices or gravimetric diluters. The user will have the flexibility required for hands-free preparation of a wide range of agars and fluid media.

M00050   Masterclave 09 Media Preparator

> 9 Litre Capacity
> Accepts up to 40 customised programmes
> Sterilisation temperature 95 – 125°C
> Dispensing temperature 30 – 80°C

Masterclave 09 Media Preparator

Options

M00024   Chart Recorder
> This provides full traceability for QA validation

M10239   Quick Release Connector (x2)
> For water supply and drain. Supplied with 4 jubilee clips

Accessories

M10238   Trolley

M10214   Autoclave Basket

Consumables

M10080   Chart Recorder Paper

M10079   Ink Ribbon

M10083   Decompression Filter

M10162   Water Filter

M10094   Priming Tube and Connector for Media Dispensing

M30037   Tie Wraps (pack of 10)
> These are the special tie wraps used on all our Tubing Sets

Calibration & Validation

Ask us about the full range of services, including UKAS, that we can offer for autoclaves and media preparators.

Masterclave 528 Media Preparator

With a minimum of 5 and a maximum of 28 litres capacity, the Masterclave 528 effectively bridges the gap between small and large laboratories.

One cost effective option is to use the Masterclave 528 to produce diluent which can be dispensed into dilution blanks or stomacher bags with one of our gravimetric diluters or peristaltic pumps.

M00055   Masterclave 528 Media Preparator

    5 to 28 Litre Capacity
    Accepts up to 40 customised programmes
    Sterilisation temperature 95 – 125˚C
    Dispensing temperature 25 – 80˚C
    Cost-effective when compared to smaller preparators
    Supplied with castors

Masterclave 528 Media Preparator

Options

M00024   Chart Recorder
    This provides full traceability for QA validation

M10239   Quick Release Connector (x2)
    For water supply and drain. Supplied with 4 jubilee clips

Accessories

M10493   Complete Priming Tube Assembly
    Includes: Tube, Cap and Seal

M10469   Pourer Stacker/Dilumat Connection Nozzle
    Used to connect media preparator to APS320 or dilumat

M10470   Power Supply Adaptor
    From 380v to 220v (only for dispensing)

M10471   Additional Temperature Probe

M10472   PT100 Probe PCB

Consumables

M10080   Chart Recorder Paper

M10079   Ink Ribbon for Chart Recorder

M10394   Decompression Filters (pack of 10)

M30037   Tie Wraps (pack of 10)
    These are the special tie wraps used on all our Tubing Sets

Calibration & Validation

Ask us about the full range of services, including UKAS, that we can offer for autoclaves and media preparators.

Masterclave 60 Media Preparator

With a huge capacity the Masterclave 60 is the first choice for those labs with either a large sample throughput or the need to supply plates to outlying sites.

The Masterclave 60 also offers huge cost savings when used to produce sterile diluent.

M00060   Masterclave 60 Media Preparator

    60 Litre Capacity
Accepts up to 40 customised programmes
Sterilisation temperature 95 – 125˚C
Dispensing temperature 25 – 79˚C
Cost-effective when compared to smaller preparators
Supplied with wheels, chart recorder, a graphics screen
and a security cover

Masterclave 60 Media Preparator

Options

M10239   Quick Release Connector (x 2)
For water supply and drain. Supplied with 4 jubilee clips

Accessories

M10361   Calibrated Dipstick
M10433   Basket Support for Autoclaving
M10434   Basket for Autoclaving

Consumables

M10431   Decompression Filters (pack of 5)
M10349   Stainless Steel Take Off Port Nozzle
M30037   Tie Wraps (pack of 10)
These are the special tie wraps used on all our Tubing Sets
M10080   Chart Recorder Paper
M10079   Ink Ribbon

Calibration & Validation

Ask about the full range of services, including UKAS, that we can offer for autoclaves and media preparators.

Peristaltic Pump and Dispenser

The PM05 will dispense volumes from 1ml to 10 litres with a high degree of accuracy.

The combination of a PM05 and a XY dispenser makes high volume output possible.

This is the system of choice for many GLP compliant laboratories.

PM05 Peristaltic Pump

Options for PM05

S02085   Megatron Star Printer for narrow printouts
M00011   Sterilisation Unit – 1.5 litres
M00012   Sterilisation Unit – 2.0 litres

Options for XY500

M10235   252 Tube Adjustable Rack

XY500 Dispenser

Tubing Sets

We offer various options of tubing to cater for a variety of dispensed volumes

M30027   Tubing Set with Nozzle (1.7 – 5.0mm diameter)
M30028   Tubing Set with Nozzle (3.1 – 6.3mm diameter)
M30029   Tubing Set with Nozzle (6.4 – 7.0mm diameter)
M30030   Tubing Set with Nozzle (4.8 – 8.1mm diameter)
M30032   PM05 Tubing Set

Consumables

M30037   Tie Wraps (pack of 10)
           These are the special tie wraps used on all our Tubing Sets

LINX Printer

For those users who require batch details printing onto their plates, the printer of choice is the LINX 4900. It has a tough and stylish stainless steel enclosure with easy ink and solvent refilling. It can be supplied with a bottom or side printing kit to print on the side or base of the plates depending on user preference.

M00038   LINX Inkjet Printer – Model 4900

LINX 4900 Printer

Options

M00032   Printing Kit (Side)
M10028   Printing Kit (Bottom)
M00037   90 Degree Print Head

Consumables

M20027   Ink / Solvent Combi Pack

Tubing Sets

APS300/320 Pourer Stacker

M30026   Tubing Set only
This tubing set is supplied without the connectors to any specific preparator

M20023   Pre-Cut Pump Tubing Set (pack of 5)

APS300/320 Pourer Stacker to S8000 & Masterclave 09 Media Preparators

M30024   Complete Tubing Set
This tubing set includes the connectors necessary for the Pourer Stacker to operate with the S8000 Preparator

APS300/320 to Masterclave 19

M30025   Complete Tubing Set
This tubing set includes the connectors necessary for the Pourer Stacker to operate with the Masterclave 19 Preparator

Consumables

M30037   Tie Wraps (pack of 10)
These are the special tie wraps used on all our Tubing Sets

M30035   Silicone Tubing (per metre)
This is the uncut silicone tubing supplied by the metre to customers wishing to make up their own tubing sets

Systec Autoclaves

Systec produces a range of autoclaves that make autoclaving easier, safer, more reproducible and faster. There are now 45 models in the range - an autoclave for every laboratory and every sterilisation task.

With both freestanding, horizontal models and benchtop, front-loaders, there are also three different performance standards to choose from:

Xpert Range - an autoclave for specialist applications - when you need a system that can be tailored to the particular needs of your laboratory.

Everyday Range - a robust, reliable autoclave, the workhorse of the laboratory. This model is designed for routine laboratory use.

Basic Range - specifically developed for straightforward laboratory applications so if you just want to load up, switch on and go, then this could be the autoclave for you.

Xpert Range

Systec D-150 Autoclave

Benchtop Models

C00399	Systec Autoclave DX-23
	Chamber Volume: 23 litres Chamber Size: 260 x 420mm
C00408	Systec Autoclave DX-45
	Chamber Volume: 45 litres Chamber Size: 344 x 500mm
C00400	Systec Autoclave DX-65
	Chamber Volume: 65 litres Chamber Size: 400 x 500mm
C00401	Systec Autoclave DX-90
	Chamber Volume: 90 litres Chamber Size: 400 x 700mm
C00402	Systec Autoclave DX-100
	Chamber Volume: 100 litres Chamber Size: 500 x 500mm
C00403	Systec Autoclave DX-150
	Chamber Volume: 150 litres Chamber Size: 500 x 750mm
C00407	Systec Autoclave DX-200
	Chamber Volume: 200 litres Chamber Size: 500 x 1000mm
C00404	Systec Autoclave DX-90 2D
	Chamber Volume: 90 litres Chamber Size: 400 x 750mm
C00405	Systec Autoclave DX-150 2D
	Chamber Volume: 150 litres Chamber Size: 500 x 750mm
C00406	Systec Autoclave DX-200 2D
	Chamber Volume: 200 litres Chamber Size: 500 x 1000mm

Systec V Series screen close up

Xpert Range

Vertical Models

C00450	Systec Autoclave VX-40
	Chamber Volume: 40 litres Chamber Size: 344 x 450mm
C00451	Systec Autoclave VX-55
	Chamber Volume: 55 litres Chamber Size: 344 x 600mm
C00160	Systec Autoclave VX-65
	Chamber Volume: 65 litres Chamber Size: 400 x 500mm
C00191	Systec Autoclave VX-75
	Chamber Volume: 75 litres Chamber Size: 400 x 600mm
C00161	Systec Autoclave VX-95
	Chamber Volume: 95 litres Chamber Size: 400 x 750mm
C00162	Systec Autoclave VX-100
	Chamber Volume: 100 litres Chamber Size: 500 x 500mm
C00192	Systec Autoclave VX-120
	Chamber Volume: 120 litres Chamber Size: 500 x 600mm
C00163	Systec Autoclave VX-150
	Chamber Volume: 150 litres Chamber Size: 500 x 750mm

Systec V Series Autoclave

Everyday Range

Benchtop Models

C00430   Systec Autoclave DE-23
Chamber Volume: 23 litres / Chamber Size: 260 x 420mm

C00431   Systec Autoclave DE-45
Chamber Volume: 45 litres / Chamber Size: 344 x 500mm

C00432   Systec Autoclave DE-65
Chamber Volume: 65 litres / Chamber Size: 400 x 500mm

C00433   Systec Autoclave DE-90
Chamber Volume: 90 litres / Chamber Size: 400 x 700mm

C00434   Systec Autoclave DE-100
Chamber Volume: 100 litres / Chamber Size: 500 x 500mm

C00435   Systec Autoclave DE-150
Chamber Volume: 150 litres / Chamber Size: 500 x 750mm

C00436   Systec Autoclave DE-200
Chamber Volume: 200 litres / Chamber Size: 500 x 1000mm

Vertical Models

C00452   Systec Autoclave VE-40
Chamber Volume: 40 litres / Chamber Size: 344 x 450mm

C00453   Systec Autoclave VE-55
Chamber Volume: 55 litres / Chamber Size: 344 x 600mm

C00454   Systec Autoclave VE-65
Chamber Volume: 65 litres / Chamber Size: 400 x 500mm

C00455   Systec Autoclave VE-75
Chamber Volume: 75 litres / Chamber Size: 400 x 600mm

C00456   Systec Autoclave VE-95
Chamber Volume: 95 litres / Chamber Size: 400 x 750mm

C00457   Systec Autoclave VE-100
Chamber Volume: 100 litres / Chamber Size: 500 x 500mm

C00458   Systec Autoclave VE-120
Chamber Volume: 120 litres / Chamber Size: 500 x 600mm

C00459   Systec Autoclave VE-150
Chamber Volume: 150 litres / Chamber Size: 500 x 750mm

Systec V Series screen close up

Basic Range

Benchtop Models

C00437   Systec Autoclave DB-23
Chamber Volume: 23 litres / Chamber Size: 260 x 420mm

C00438   Systec Autoclave DB-45
Chamber Volume: 45 litres / Chamber Size: 344 x 500mm

C00439   Systec Autoclave DB-65
Chamber Volume: 65 litres / Chamber Size: 400 x 500mm

C00440   Systec Autoclave DB-90
Chamber Volume: 90 litres / Chamber Size: 400 x 700mm

C00441   Systec Autoclave DB-100
Chamber Volume: 100 litres / Chamber Size: 500 x 500mm

C00442   Systec Autoclave DB-150
Chamber Volume: 150 litres / Chamber Size: 500 x 750mm

C00443   Systec Autoclave DB-200
Chamber Volume: 200 litres / Chamber Size: 500 x 1000mm

Vertical Models

C00460   Systec Autoclave VB-40
Chamber Volume: 40 litres / Chamber Size: 344 x 450mm

C00461   Systec Autoclave VB-55
Chamber Volume: 55 litres / Chamber Size: 344 x 600mm

C00462   Systec Autoclave VB-65
Chamber Volume: 65 litres / Chamber Size: 400 x 500mm

C00463   Systec Autoclave VB-75
Chamber Volume: 75 litres / Chamber Size: 400 x 600mm

C00464   Systec Autoclave VB-95
Chamber Volume: 95 litres / Chamber Size: 400 x 750mm

C00465   Systec Autoclave VB-100
Chamber Volume: 100 litres / Chamber Size: 500 x 500mm

C00466   Systec Autoclave VB-120
Chamber Volume: 120 litres / Chamber Size: 500 x 600mm

C00467   Systec Autoclave VB-150
Chamber Volume: 150 litres / Chamber Size: 500 x 750mm

Printing & Software Options for All Models

C00122   PC Software for Windows

C00178   Printer

C00179   Printer paper (20 rolls)

Rapid Cooling

Rapid cooling for liquids with cooling water only for open vessels without support air:

C00409   for DX-23, DX-45, DE-23 and DE-45

C00417   for DX-65, DX-90, DE-65 and DE-90

C00164   for DX-100 to DX-200 and DE-100 to DE-200

C00468   for VX-40, VX-55, VE-40 and VE-55

C00417   for VX-65 to VX-95 and VE-65 to VE-95

C00164   for VX-100 to VX-150 and VE-100 to VE-150

Rapid cooling for liquids with cooling water, without loss of liquid in the sterilisd goods for open and hermetically closed vessels with support pressure by sterile filtered compressed air:

C00416   for DX-23, DX-45, DE-23 and DE-45 / VX-40 to VX-55 and VE-40 to VE-55

C00418   for DX-65, DX-90, DE-65 and DE-90 / VX-65 to VX-95 and VE-65 to VE-95

C00165   for DX-100 to DX-200 and DE-100 to DE-200 / VX-100 to VX-150 and VE-100 to VE-150

C00131   Feed Water Softening Equipment (for DX, DE, VX and VE models)

C00133   Built-in Internal Radial Ventilator (for DX, DE, VX and VE models)

Accelerated cooling via ambient air ventilation for open vessels only:

C00419   for DX-23, DX-45, DE-23 and DE-45 / VX-40 to VX-55 and VE-40 to VE-55

C00424   for DX-65, DX-90, DE-65 and DE-90 / VX-65 to VX-95 and VE-65 to VD-95

C00132   for DX-100 to DX-200 and DE-100 to DE-200 / VX-100 to VX-150 and VE-100 to VE-150

C00130   Re-circulation Cooling Unit (for DX, DE, VX and VE models)

C00134   Spray Cooling by recirulation of sterile water (for DX, DE, VX and VE models)

C00135   Laminar Stainless Steel Plate (for DX, DE, VX and VE models)

Air Compressor for Rapid Cooling Systems

C00137   Silent 50 Air Compressor (for DX-65 to DX-200 and DE-65 to DE-200 / VX-65 to VX-150 and VE-65 to VE-150)

Stainless Steel Baskets

Stackable Wire Mesh Baskets

C00546	for Systec D-23	400 x 180 x 140 mm
C00427	for Systec D-45	500 x 240 x 220 mm
C00519	for Systec D-65	500 x 300 x 250 mm
C00520	for Systec D-90 (and D-90 2D)	700 x 300 x 250 mm
C00230	for Systec D-100, D-200 (and D-200 2D)	500 x 380 x 250 mm
C00231	for Systec D-100, D-200 (and D-200 2D)	500 x 380 x 135 mm
C00232	for Systec D-150 (and D-150 2D)	360 x 380 x 250 mm
C00233	for systec D-150 (and D-150 2D)	750 x 380 x 250 mm
C00446	for Systec D-150 (and D-150 2D)	360 x 380 x 135 mm
C00447	for Systec D-150 (and D-150 2D)	750 x 380 x 135 mm
C00469	for Systec V-40 and V-55	330 x 220 mm
C00470	for Systec V-40 and V-55	330 x 290 mm
C00170	for Systec V-65, V-75 and V-95	385 x 240 mm
C00193	for Systec V-65, V-75 and V-95	385 x 290 mm
C00169	for Systec V-65, V-75 and V-95	385 x 365 mm
C00172	for Systec V-100, V-120 and V-150	485 x 240 mm
C00194	for Systec V-100, V-120 and V-150	485 x 290 mm
C00171	for Systec V-100, V-120 and V-150	485 x 365 mm

Stackable baskets with ventilation holes in upper part, bottom closed for sterilisation of waste

C00547	for Systec D-23	400 x 185 x 125 mm
C00448	for Systec D-45	500 x 265 x 160 mm
C00521	for Systec D-65	500 x 300 x 150 mm
C00522	for Sytstec D-90 (D-90 2D)	700 x 300 x 150 mm
C00240	for Systec D-100. D-200 (D-200 2D)	500 x 375 x 200 mm
C00241	for Systec D-150 (D-150 2D)	355 x 375 x 200 mm
C00242	for Systec D-150 (D-150 2D)	715 x 375 x 200 mm
C00471	for Systec V-40, V-55	310 x 340 mm
C00173	for Systec V-65, V-75 and V-95	360 x 340 mm
C00174	for Systec V-100, V-120 and V-150	470 x 365 mm

Stackable baskets with ventilation holes in upper part, bottom closed for sterilisation of waste. with swivel lid

C00175	for Systec V-65, V-75 and V-95	380 x 290 mm
C00176	for Systec V-100, V-120 and V-150	480 x 340 mm

Systec Stainless Steel Baskets

Vacuum & Drying Options

C00166   Vacuum and Drying System (for Xpert Models Only)

C00167   Superdry Wall Heating System (for Xpert Models Only)

C00297   Sterile Air Drying (for Xpert Models Only)

C00141   Connection to steam supply (for Xpert Models Only)

C00426   Connection to steam supply (for Everyday Models Only)

Shelves, Support Tables, Transport and Loading Carriages for all Desktop Models

Height-adjustable middle shelving:

C00410   for Systec D-65

C00411   for Systec D-90 (D-90 2D)

C00412   for Systec D-100

C00413   for Systec D-150 (D-150 2D)

C00523   for Systec D-200 (D-200 2D)

Stainless steel support table with shelf:

C00414   for Systec D-23

C00415   for Systec D-45

C00420   for Systec D-65

C00421   for Systec D-90

C00422   for Systec D-100

C00423   for Systec D-150

C00425   for Systec D-200

Transport carriages:

C00320   for Systec D-65, D-90, D 90 2D

C00321   for Systec D-100, D-150, D-150 2D

C00322   for Systec D-200, D-200 2D

Loading carriages:

C00323   for Systec D-65

C00324   for Systec D-90, D-90 2D

C00325   for Systec D-100

C00326   for Systec D-150, D-150 2D

C00327   for Systec D-200, D-200 2D

Miscellaneous

C00138	Air exhaust filtration
C00140	Integrated Hoist for Systec V series only
C00142	Condensate collection vessel (25 litre)
C00144	Demineralisation cartridge for Systec X & E series only
C00145	Digital conductivity meter for Systec X & E series only
C00168	Magnetic stirrer
C00177	Extension of temperature and pressure range up to 150˚C and 5 bar for Systec X & E series only
C00181	4 guidable caster-rollers with fixing brakes
C00298	Temperature holding function for liquid media after re-cooling for Systec X & E series only
C00296	Feed water vessel for steam generation for Systec X series only
C00299	Aquastop for Systec X & E series only
C00315	Durham-Program for Systec X & E series only
C00316	Agar dissolution program for Systec X & E series only

Calibration & Validation

Ask about the full range of services, including UKAS, that we can offer for autoclaves and media preparators.

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Systec Media Preparators

Automatic media preparators prepare high quality, ready to use, agar or broth media and under controlled conditions. Media is homogenous and sterilised at the correct temperature for the right length of time – something which can be difficult to achieve with a standard autoclave.

C00308   Mediaprep 10

C00309   Mediaprep 20

C00310   Mediaprep 30

C00311   Media prep 45

C00312   Mediaprep 65

C00313   Mediaprep 90

C00314   Mediaprep 120

Systec Media Preparators

Options

C00122   PC Documentation Software for Windows (95 & higher)

Accessories

C00120   Printer for temperature, pressure and time data
C00136   Silent 40 Air Compressor for Quick Cooling For MediaPrep 45 and 65
C00137   Silent 50 Air Compressor for Quick Cooling For MediaPrep 70 and 120
C00258   Double Stirring Bar
C00287   6mm Media Take-off Port Connector For Mediaprep 10, 20 & 30
C00297   6mm Media Take-off Port Connector For Mediaprep 45, 65, 90 & 120

Consumables

C00179   Printer paper (20 rolls)

Calibration & Validation

Ask about the full range of services, including UKAS, that we can offer for autoclaves and media preparators.

Rodwell Autoclaves

A solid, robust and reliable range of autoclaves designed for practical purposes: safety, efficiency and ease of use. Capacities range from 40 to 770 litres providing a wide choice of models. With benchtop, under-bench and freestanding models, there is an autoclave ideal for the space available.

Phoenix

C01500   Phoenix 40E Autoclave - Electric

Chamber Volume: 40 litres

C01501   Phoenix 60E Autoclave - Electric

Chamber Volume: 60 litres

Rodwell Phoenix Autoclave

Monarch

C01502   Monarch 50E Autoclave - Electric

Chamber Volume: 50 litres

C01503   Monarch 75E Autoclave - Electric

Chamber Volume: 75 litres

Rodwell Monarch Autoclave

Ensign

C01504   Ensign 100E Autoclave - Electric

Chamber Volume: 100 litres

C01505   Ensign 100DS Autoclave - Direct Steam

Chamber Volume: 100 litres

C01506   Ensign 125E Autoclave - Electric

Chamber Volume: 125 litres

C01507   Ensign 125DS Autoclave - Direct Steam

Chamber Volume: 125 litres

Rodwell Ensign Autoclave

Ambassador

C01508   Ambassador 100E Autoclave - Electric

Chamber Volume: 100 litres

C01509   Ambassador 125E Autoclave - Electric

Chamber Volume: 125 litres

C01510   Ambassador 125DS Autoclave - Direct Steam

Chamber Volume: 125 litres

C01511   Ambassador 158E Autoclave - Electric

Chamber Volume: 158 litres

C01512   Ambassador 158DS Autoclave - Direct Steam

Chamber Volume: 158 litres

C01513   Ambassador 158 Autoclave - Electric or Direct Steam

Chamber Volume: 158 litres

Rodwell Ambassador Autoclave

Gemini

C01514   Gemini 250E Autoclave - Electric

Chamber Volume: 250 litres

C01515   Gemini 250DS Autoclave - Direct Steam

Chamber Volume: 250 litres

C01516   Gemini 316E Autoclave - Electric

Chamber Volume: 316 litres

C01517   Gemini 316DS Autoclave - Direct Steam

Chamber Volume: 316 litres

Rodwell Gemini Autoclave

Sapphire

C01518   Sapphire 330DS Autoclave - Direct Steam

Chamber Volume: 330 litres

C01519   Sapphire 440DS Autoclave' - Direct Steam

Chamber Volume: 440 litres

C01520   Sapphire 550DS Autoclave

Chamber Volume: 550 litres

C01521   Sapphire 660DS Autoclave

Chamber Volume: 660 litres

C01522   Sapphire 770DS Autoclave

Chamber Volume: 770 litres

C01523   Sapphire 330DS VAC Autoclave - Direct Steam and Vacuum

Chamber Volume: 330 litres

C01524   Sapphire 440DS VAC Autoclave - Direct Steam and Vacuum

Chamber Volume: 440 litres

C01525   Sapphire 550DS VAC Autoclave - Direct Steam and Vacuum

Chamber Volume: 550 litres

C01526   Sapphire 660DS VAC Autoclave - Direct Steam and Vacuum

Chamber Volume: 660 litres

C01527   Sapphire 770DS VAC Autoclave - Direct Steam and Vacuum

Chamber Volume: 770 litres

C01528   Sapphire 330E Autoclave - Electrically Heated

Chamber Volume: 330 litres

C01529   Sapphire 440E Autoclave - Electrically Heated

Chamber Volume: 440 litres

C01530   Sapphire 550E Autoclave - Electrically Heated

Chamber Volume: 550 litres

C01531   Sapphire 660E Autoclave - Electrically Heated

Chamber Volume: 660 litres

C01532   Sapphire 770E Autoclave - Electrically Heated

Chamber Volume: 770 litres

C01533   Sapphire 330E VAC Autoclave - Electrically Heated and Vacuum

Chamber Volume: 330 litres

C01524   Sapphire 440E VAC Autoclave - Electrically Heated and Vacuum

Chamber Volume: 440 litres

C01535   Sapphire 550E VAC Autoclave - Electrically Heated and Vacuum

Chamber Volume: 550 litres

C01536   Sapphire 660E VAC Autoclave - Electrically Heated and Vacuum

Chamber Volume: 660 litres

C01537   Sapphire 770E VAC Autoclave - Electrically Heated and Vacuum

Chamber Volume: 770 litres

Rodwell Sapphire Autoclave

C01538 Sapphire 880E VAC Autoclave - Electrically Heated and Vacuum
Chamber Volume: 880 litres

C01539 Sapphire 990E VAC Autoclave - Electrically Heated and Vacuum
Chamber Volume: 990 litres

C01540 Sapphire 550DS Double Entry Autoclave - Direct Steam
Chamber Volume: 550 litres

C01541 Sapphire 660DS Double Entry Autoclave - Direct Steam
Chamber Volume: 660 litres

C01542 Sapphire 550DS VAC Double Entry Autoclave - Direct Steam and Vacuum
Chamber Volume: 550 litres

C01543 Sapphire 660DS VAC Double Entry Autoclave - Direct Steam and Vacuum
Chamber Volume: 660 litres

C01544 Sapphire 660E Double Entry Autoclave - Electrically Heated
Chamber Volume: 660 litres

C01545 Sapphire 770E Double Entry Autoclave - Electrically Heated
Chamber Volume: 770 litres

C01546 Sapphire 660E VAC Double Entry Autoclave - Electrically Heated and Vacuum
Chamber Volume: 660 litres

C01547 Sapphire 770E VAC Double Entry Autoclave - Electrically Heated and Vacuum
Chamber Volume: 770 litres

Crystal

C01548 Crystal 200DS Autoclave - Direct Steam
Chamber Volume: 200 litres

C01549 Crystal 250DS Autoclave - Direct Steam
Chamber Volume: 250 litres

C01550 Crystal 300DS Autoclave - Direct Steam
Chamber Volume: 300 litres

C01551 Crystal 200DS VAC Autoclave - Direct Steam and Vacuum
Chamber Volume: 200 litres

C01552 Crystal 250DS VAC Autoclave - Direct Steam and Vacuum
Chamber Volume: 250 litres

C01553 Crystal 300DS VAC Autoclave - Direct Steam and Vacuum
Chamber Volume: 300 litres

C01554 Crystal 200E Autoclave - Electrically Heated
Chamber Volume: 200 litres

C01555 Crystal 250E Autoclave - Electrically Heated
Chamber Volume: 250 litres

C01556 Crystal 300E Autoclave - Electrically Heated
Chamber Volume: 300 litres

C01557 Crystal 200E VAC Autoclave - Electrically Heated and Vacuum
Chamber Volume: 200 litres

C01558 Crystal 250E VAC Autoclave - Electrically Heated and Vacuum
Chamber Volume: 250 litres

C01559 Crystal 300E VAC Autoclave - Electrically Heated and Vacuum
Chamber Volume: 300 litres

C01560 Crystal 300E VAC Double Entry Autoclave - Electrically Heated and Vacuum
Chamber Volume: 300 litres

C01561 Crystal 300DS VAC Double Entry Autoclave - Direct Steam and Vacuum
Chamber Volume: 300 litres

Rodwell Crystal Autoclave

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Labguard Monitoring System

This wireless monitoring system is available as single user or networkable, and will monitor up to 1000 parameters.

T00002   **Network Software**
            Includes:
            1 off visualisation for client server
            1 off visualisation for a client and 1 off validation file
T00003   **Additional Visualisation Licence for Networked Installations**
            Additional visualisation for a client (Network Only)
T00020   **RS232 Radio Receiver**
            Includes: Mains Power Supply (T00034), serial lead, mounting bracket &
            Europlug adaptor (T00115)

Options – Temperature Monitoring

T00030   **Single Probe Radio Transmitter (Battery Power Only)**
            Includes: 1 x -80˚C to +80˚C probe (T00040) and 1 x Lithium Battery (T00117)
T00031   **Double Probe Radio Transmitter (Battery Power Only)**
            Includes: 2 x -80˚C to +80˚C probe (T00040) and 1 x Lithium Battery (T00117)
T00032   **Single Channel Analog (4-20mA) Radio Transmitter (Battery Power Only)**
            Includes: 1 x Lithium Battery (T00117)
            Requires: 1 x T00106 Convertor to operate with the following probes: T00042/ 48/121/122/123/124
T00034   **Mains Power Supply Unit**
            Includes: Europlug Adaptor (T00115)
            This power supply offers an alternative to battery power for the T00030/31/32/33
            Requires: 1 x T00118 for T00030,T00031 & T00033 OR 1 x T00119 for T00032
            Mains Power is necessary if temperature readings are required at intervals of less than one hour
T00118   **Electrical Supply PCB** (fitted internally to T00030/31/33)
T00119   **Electrical Supply PCB (4-20mA)** (fitted internally to T00032)
T00106   **PT100 or Thermocouple Converter (4-20mA)**
            Includes: Mains Power Supply (T00034)
            Must be used in conjunction with T00042/48/121/122/123/124
T00042   **PT100 Probe with Metal Sheath (-80˚C to +260˚C)**
            Please note: this probe is not resistant to pressure and therefore not suitable for use in an autoclave
T00048   **Thermocouple Probe (-200˚C to +1200˚C)**
            Please note: this is the probe we would recommend for use in autoclaves
T00041   **125˚C Waterproof Probe**
            To be used with: T00030 & T00031
T00110   **High Temperature or Alarm Contact**
            To be used with: T00030 & T00031

Labguard 2 Monitoring System

Temperature Probes for Special Applications

T00122   PT100 Probe for Blood Plasma Bag Applications

T00123   PT100 Probe, 1mm Diameter Glass Tip (-80˚C to +200˚C)
          For use only with microtitre plate heating blocks (Cat 3 Laboratories)

T00124   PT100 Probe, 1mm Diameter Metal Tip
          For use only with microtitre plate heating blocks (Cat 3 Laboratories)

Options – Software

T00010   Calibration Software Module
          This software requires the purchase of a COFRAC Calibrated Temperature Probe (T00125/126)

T00011   Incubator Temperature Mapping Software Module

T00012   Laboratory Floor Plan Software Module

T00013   Alarm Transfer Software Module
          Includes: Modem for connection to a standard analog telephone line to transmit voice or fax messages. For SMS messaging a T00114 is required.

T00014   Webserver Software Module

Options – CO2 Monitoring

T00032   Single Channel Analog (4-20mA) Radio Transmitter (Battery Power Only)
          Includes: 1 x Lithium Battery (T00117)
          Requires: 1 x T00106 Convertor to operate with the following probes: T00042/ 48/121/122/123/124

T00034   Mains Power Supply
          Includes: Europlug Adaptor (T00115)
          This power supply offers an alternative to battery power for the T00032
          Requires: 1 x T00119
          Mains Power is necessary if CO2 readings are required at intervals of less than one hour

T00119   Electrical Supply PCB (4-20mA) (fitted internally to T00032)

T00047   0-20% Carbon Dioxide Sensor
          Includes: 1 x 12 volt Power Supply Unit and 1 x 2 pin mains lead (T00116)

Options – Humidity Monitoring

T00032   Single Channel Analog (4-20mA) Radio Transmitter (Battery Power Only)
          Includes: 1 x Lithium Battery (T00117)

T00034   Mains Power Supply Unit
          Includes: Europlug Adaptor (T00115)
          This power supply offers an alternative to battery power for the T00032 only
          Requires: 1 x T00119
          Mains Power is necessary if humidity readings are required at intervals of less than one hour

T00119   Electrical Supply PCB (4-20mA) (fitted internally to T00032)

T00045   0-70% Relative Humidity Sensor
          Requires: T00111 – 24 volt Power Supply

T00046   0-100% Relative Humidity Sensor
          Requires: T00111 – 24 volt Power Supply

T00111   24 Volt Power Supply

Options - Hardware

T00102	50cm Flat Cable	

This cable is used to insert a probe round a door seal

T00103	1 Metre Flat Cable

This cable is used to insert a probe round a door seal

T00104	5 Metre Extension Lead

This is for extending T00040/41 probe cables

T00105	10 Metre Extension Lead

This is for extending T00040/41 probe cables

T00113	USB to Serial Port Adaptor

Required if PC is not equipped with a spare serial port

T00114	GPRS Modem

Includes: Europlug Adaptor (T00115)

This modem is necessary if SMS messaging is required. The customer must provide the relevant SIM card from their preferred supplier

T00033	Repeater Only

Includes: 1 x Lithium Battery (T00117)

Must be used with T00034, T00118 & T00115

Options – COFRAC Calibration Labguard 2

T00010	Calibration Software Module

This software requires the purchase of a COFRAC Calibrated Temperature Probe (T00125)

T00125	Single Probe Radio Transmitter (Battery Power Only)

With COFRAC Calibration at 0°C & 55°C. Checked at -20°C, 0°C & 55°C

T00126	Single Probe Radio Transmitter (Battery Power Only)

With COFRAC Calibration at 0°C & 55°C . Checked at -20°C, 0°C ,55°C & an additional temperature point. For example - 80 °C

T00034	Mains Power Supply Unit

Includes: Europlug Adaptor (T00115)

This power supply offers an alternative to battery power for the T00030/31/32/33

Requires: 1 x T00118 for T00030,T00031 & T00033 OR 1 x T00119 for T00032

Mains Power is necessary if temperature readings are required at intervals of less than one hour

T00118	Electrical Supply PCB (fitted internally to T00030/31/33)

Accessories

T00115	Europlug Adaptor
T00120	Transmitter Sealing Resin

To be used if a transmitter is be sited in a damp or cold environment.

Sufficient to seal one transmitter

T00108	Velcro (Roll)

Used in squares for mounting transmitters

Consumables

T00109	Lithium Battery

Suitable for T00130/131 Transmitters

T00117	Lithium Battery

Suitable for T00030/31/32/33 Transmitters

Sampl'Air Lite and Sampl'Air Pro

Sampling is an essential step in the monitoring of airbourne contamination. Sampl'Air produces accurate and reproductible results with a minimum of operator involvement.

Stainless steel heads came as standard on these units so they comply with the requirements of the pharmaceutical industry.

M00042   Sampl'Air Lite

M00043   Sampl'Air Pro
          Complete with:
          Data manager software
          PC connection cable

Sampl'air Pro

Sampl'Air Lite Accessories
M10461   Additional Stainless steel sample head
M10090   Adjustable aluminium tripod

Sampl'Air Pro Accessories
M10463   Barcode Reader
M10464   Ticket printer
M10461   Additional Stainless steel sample head
M10090   Adjustable aluminium tripod

Tomkey

The TomKey is an extremely versatile USB key that enables the temperature of food or clinical samples to be monitored during transportation. It records and displays temperature readings from –40 to +80°C, providing continuous traceability in a simple and economical way. TomKey features an easy to read LCD display that allows you to see the temperature readings at a glance.

T00135	Tomkey Software
T00136	Tomkey Data Logger 8MB
T00137	Tomkey Data Logger 16MB

Tomkey Data Logger

ASpecT

ASpecT is a new, fully-automated inoculating and streaking device that rapidly and efficiently manages the processing of liquid phase samples. The machine de-caps, inoculates, streaks, labels and then re-caps the container without operator intervention.

V00900   ASpecT
Liquid sample processing for microbiology
One instrument to process all swab samples and urines
Manages a diverse range of specimen types and sample containers
Standardised streaking for greater accuracy
Universal bar code reading system
User-friendly touch screen control

ASpecT

Options

V00911   Plate Sorter for Incubation Conditions
V00912   Hepa Filter Unit
V00913   Racks
V00914   Large Screw-cap Container Opener Kit
V00915   De-capping Cup
V00916   Docking Station
V00917   Ski-chute

Consumables

V00918   Tri Loop Inoculation Tool 1ul
V00919   Tri Loop Inoculation Tool 10ul
V00920   Tri Loop Inoculation Tool 30ul

Laboratory Automation

Petri-Flow™

Petri-Flow™ is a laboratory solution that automates the transportation of Petri dishes from receipt of sample to analysis. From a base unit conveyor system a variety of options can be added to tailor the Petri-Flow™ system for individual requirements. For example, you can add printers, agar dispensing systems, analysis/dilution/inoculation workbenches, barcode scanners, run-off benches, stacking systems, buffers, sorting units, mixing and cooling units. Available with LIMS connection to ensure sample information is printed directly onto each dish.

Consumables & Accessories

A00002　　　48 Plate Anaerobic Jar

10 litre capacity
330mm high
250mm deep (internal)
215mm diameter (internal)

A00005　　　9 Plate Anaerobic Jar

3 litre capacity
220mm high
140mm deep (internal)
155mm diameter (internal)

The ideal vehicle for transportation of samples from patient to laboratory. DWS anaerobic jars have long enjoyed a good reputation for a wide range of anaerobic culture applications including pre-reduction of poured plates and large scale anaerobic culture and class work. Whitley jars have positively located lids fitted with the unique Whitley Schrader® valve system and carrier clips for Oxoid low temperature catalyst sachets.

B00039　　　Disposable Beakers (5ml) (Box of 1,000)

Our general purpose disposable beakers are suitable for a wide variety of general laboratory procedures. The beakers are supplied in handy, pull-down dispensers to aid the withdrawal of one beaker at a time. Each dispenser tube contains 100 beakers and they are sold in boxes of 10 tubes.

A02750　　　Basket Tag Set (seven colour tag set containing 20x7 assorted colours

Basket tags enable you to colour code individual stacks of Petri dishes. The re-usable tags can be attached to any of our Petri dish racks and are manufactured from polypropylene for durability. A set comprises of 140 tags: 20 tags of each of the following colours – yellow, blue, red, green, white, orange, grey.

A04040　　　Automatic Gas Change Over Unit

The Whitley Automatic Gas Change Over Unit offers complete peace of mind to owners and users of workstations by ensuring the gas supply is always maintained - even when a cylinder needs to be changed at night, at weekends or any other time the laboratory is unoccupied, such as public holidays.

Designed specifically to suit the operational requirements of all workstations in the Don Whitley Scientific range, the unit functions by using the gas pressure from the connected cylinders - and does not require an electrical supply.

A02534　　　10 Plate Petri Dish Holder (Basket)
A02718　　　20 Plate Petri Dish Holder (Basket)
A00210　　　30 Plate Petri Dish Holder (Basket)

To help you sort, stack and store your Petri dishes we offer a range of 3 sizes of wire rack: 10 plates, 20 plates and 30 plates. All racks are manufactured for easy cleaning and durability.

D00001   Autoclave Deodorant Capsules (pack of 100)

Autoclave deodorant capsules improve the working environment by neutralising odours associated with the routine autoclaving of laboratory waste. The capsules are scientifically formulated to cancel out and modify gaseous malodours produced by organic and inorganic compounds in autoclaved waste. The compact capsule design releases its contents automatically as the autoclave heats up, keeping your laboratory smelling fresh and clean. Capsules are packed in bottles of 100.

D00003   Labdet 100 (5 litres)

Laboratory detergent and radioactive decontaminant. Labdet 100 is free-rinsing, biodegradable and phosphate-free. It may be mixed with hypochlorite solutions to make a steriliser/detergent for discard pots etc.

A02820   Sleeve kit with latex wrist seal (one size fits all) (pair)

A02830   Sleeve kit with Neoprene wrist seal (standard) (pair)

A02840   Sleeve kit with Neoprene wrist seal (large) (pair)

Sleeve systems are available as ready-assembled kits or as individual component parts. Wrist seals come in two options - latex or neoprene - and can be ordered as part of the kit or separately. We also have a range of gauntlets available in latex or neoprene.

General Laboratory Products