



ULTRA SCIENTIFICS

...empowering innovations...



OUR PARTNERS

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emp
BIOTECH

HUMAN LAB INC

CAT
Ingenieurfirma CAT-M. Zipper GmbH

ZenBox
Acoustic Solutions for Laboratories

SILICYCLE

RADOBIO

COMPANY PROFILE

Dear Valued Customer,

Ultra Scientifics Private Limited (USPL), is a dynamic and Innovative company dedicated to providing exceptional products and services to our valued customers. Founded as a partnership company Ultra Instruments in 2010, we have now transformed into a professional organization USPL in 2024.

We represent world renown brands of Laboratory Instruments, Equipment's Chromatography & Consumables, with a strong focus on customer satisfaction & stainability. Our team of experts is committed to driving progress and ensuring that every client benefits from our industry-leading solutions.

At **Ultra Scientifics Private Limited (USPL)**, we believe in building lasting relationships based on trust, integrity, and collaboration. Whether you're a small business or a large enterprise, we are here to help you achieve success through tailored, reliable, and innovative solutions.

Our Vision:

To be the trusted partner of choice for Pharmaceutical solutions, known for excellence and reliability.

Our Values:

- Innovation
- Customer-centric approach
- Integrity and transparency
- Sustainability
- Collaboration

For more information about us, our products and our business, please browse our website "www.ultrascientifics.com"



MARKET SEGMENTS COVERED

| | |
|-----------------------|---------------------------|
| LIFESCIENCE | BIOPHARMA |
| PHARMACEUTICAL | AGRI SCIENCE & BIOTECH |
| FOOD, FEED & BEVERAGE | CHEMICAL |
| AUTOMOTIVE | RESEARCH INSTITUTION |
| ACADEMIC RESEARCH | DATA CENTRES |
| MICROBIOLOGY | MATERIAL SCIENCES |
| SAFETY PRODUCTS | SAPCE, DEFENCE & AVIATION |

IKA Germany is a 100-year-old company offering a wide range of innovative equipment for numerous applications in research and development. Market leaders trust in our proven technology for their mixing, crushing, heating/tempering, separation and reaction applications.

MAGNETIC STIRRERS

- Magnetic Stirrer With Heating
- Magnetic Stirrer Without Heating
- Multi Point Magnetic Stirrer
- Ceramic Top Hot Plate Stirrer
- Stirrer With Integrated Balance
- Stirrer With RS232 Interface



OVERHEAD STIRRERS

- Mechanical Overhead Stirrer
- Electronic Overhead Stirrer
- Wi-Fi Controlled Stirrer
- Process Stirrers
- Overhead Stirrer with High Torque
- Overhead Stirrer with High Viscosity



DISPERSERS / HOMOGENIZER

- Tube drive homogenizer
- Rotor Stator homogenizer
- Pilot scale homogenizer
- Homogenizer with Reversible Rotation
- Homogenizer with Disposable Systems
- Inline Homogenizer



MILLS

- Analytical Mill
- Universal mill
- Tube mill
- Batch Mill
- Inline Mill
- Mills with Disposable Systems



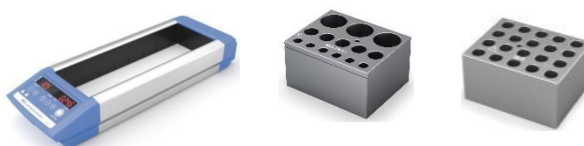
ROTARY EVAPORATOR

- Complete System
- Automatic System With Pump
- Manual Lift
- Automatic Lift



DRYBLOCK HEATER

- 1,2,3,& 4 Position block heaters
- PT 1000 external sensor
- With Holders & Fixing Elements
- Blocks for Vials, Centrifuge Tubes, Test Tubes, Cuvettes and PCR Plates



CENTRIFUGE

- 15K RPM/16.5K G Force, 1.5/2 ml x 12
- 6K rpm/2K G Force, 8 x 2 ml



TEMPERATURE CONTROL

- Refrigerated Circulators
- Refrigerated And Heating Circulators
- Heating Circulators
- Immersion & Bridge Circulators
- Heating Bath Circulators
- Combined Heating Bath Circulators
- Heating Bath Circulators with Magnetic Stirrer



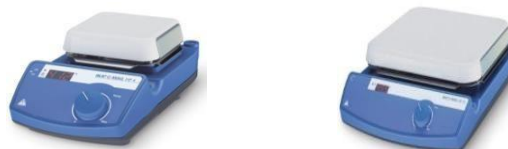
SHAKER

- Orbital
- Reciprocating
- Incubator
- Working With Microtiter Plates



HOT PLATE

- Hot Plate for 5 L Capacity up to 550° C
- Hot Plate for 10 L Capacity up to 550° C
- Hot Plate for 15 L Capacity up to 550° C



VACUUM PUMP

- Up to 2 mbar with Solvent Library
- Up to 2 mbar and 22 L/Min
- Up to 7 mbar and 28.3 L/Min



ELECTROCHEMISTRY KIT

- ElectraSyn 2.0 combines three products –
- Electrosynthesis, CV and RT Stirring.
- Setup Constant Current or Constant Voltage Reactions in the most intuitive way.
- The IKA ElectraSyn App enables CV experiment monitoring, data transfer and various other functions.



HABITAT – BIOREACTOR & FERMENTOR

Highly versatile, the HABITAT supports wide range of applications across cell culture, fermentation, or phototrophic cultivation. As a **compact benchtop bioreactor**, it provides a powerful yet space-efficient solution for controlled studies.

BENEFITS:

- One system suitable for all bioprocessing applications
- Wide range of most advanced sensors
- Exceptionally user-friendly control software
- Ergonomic lid stand
- Clearly labelled lid ports
- Status LED display
- Cross-Platform Integration
- Modular System
- **Vessels:** Single- and double-wall glass vessels (from 0.5 l to 10 l)
- **Key Vessel Components:**
- **Impellers:** Rushton and 3-pitched blade
- Spargers (micro or ring), baffle, foam breakers, spin filters, harvest pipes
- **Sensors (by IKA or 3rd party):**
- Temperature, pH (digital or analog), DO (digital, analog or optical), CO₂, foam, level, turbidity (3 options), viable cell mass, redox
- **LED panels** to convert your bioreactor into a photobioreactor
- **Temperature control**
- Circulator/thermostat that can be controlled via the HABITAT control unit
- Cooling finger, heating blanket
- **Off-gas analysis** via Blue Vary off-gas analyzer
- **Other accessories to enable ergonomic working**
- Lid stand, sample flask racks, tube sets, and other accessories



PHOTO BIOREACTOR

The HABITAT photocell control tower includes LED panels essential for transforming your HABITAT research bioreactor into a photobioreactor. It is ideal for applications involving photosynthetic organisms, such as algae cultivation.

Sensors: pH, DO (Dissolved Oxygen), Temperature, Filling Level, Foam

Optional Sensors: CO₂, Conductivity, Turbidity, Viable cell mass, Redox, Off-gas analysis and more.

Scope of Delivery:

- HABITAT photo cell S099
- Tablet with software for bioreactor
- HA.pl. Peltier cooling element
- LED panel (2pcs)



THERMOSHAKER

HEAT – COOL - SHAKE

The MATRIX Thermoshakers combine up to three functions in one device. They mix, mix and heat, heat and cool or mix, heat and cool reliably the smallest sample quantities in, for example, PCR and deep well plates as well as reaction vessels of all kinds. The temperature control and mixing devices are the ideal companions for sample preparation in laboratories with molecular biological, pharmaceutical or biochemical focus.



Mixing

- MATRIX Orbital



Mixing And Heating

- MATRIX Orbital Delta FP
- MATRIX Orbital Delta F0.5
- MATRIX Orbital Delta F1.5
- MATRIX Orbital Delta F2.0



Heating And Cooling

- MATRIX Delta Plus



Mixing, Heating And Cooling

- MATRIX Orbital Delta Plus



PIPETTES

The IKA pipette portfolio consists of a total of 24 models: ten single- channel pipettes with fixed volume, eight with variable volume and six multichannel pipettes with 8 or 12 channels for precise pipetting in microtiter or deep-well plates.

The dosing devices are available with volumes from 0.1 µl to 10 ml, offering the broadest possible flexibility for liquid handling in any modern laboratory. Three handles in different sizes and materials are included with each pipette. Ergonomic and precise liquid handling is thus guaranteed.

Available in

- Multi Channel Pipettes, Variable Volume
- Single Channel Pipettes, Fixed Volume
- Single Channel Pipettes, Variable Volume

Single Channel Variable

- 0.1-2 µl
- 0.5-10 µl
- 2-20 µl
- 10-100 µl
- 20-200 µl
- 100-1000 µl
- 0.5-5 ml
- 1-10 ml

Multi Channel Variable

- 8 x 0.5-10 µl
- 8 x 10 -100 µl
- 8 x 20-200 µl
- 12 x 0.5 -10 µl
- 12 x 10-100 µl
- 12 x 20-200 µl



STACKABLE INCUBATOR & INCUBATOR SHAKER

INC 125 FS digital is the first incubator shaker with a patented removable shaker platform that supports both static and shaking incubation. When the shaker platform is taken out, the device can be used as normal incubator. The incubator shaker is the perfect solution for cell cultivation and other microbiological applications as it convinces with a high temperature stability performance and a smooth shaking process that improves oxygenation of the sample.

- INC 125 F Digital Incubator
- INC 125 FS Digital (SP20) Incubator Shaker
- INC 125 FS Digital (SP25) Incubator Shaker
- INC 125 FC Digital Incubator Cooled (-5°C to 100°C)

DRYING OVEN

Universal oven for tempering, drying, aging and heating application in the laboratory.

The IKA OVEN 125 basic dry covers applications in industry, schools / universities, research, quality control and science. Fast heat up times and a precise temperature control guarantee reproducible test results. A special odorless insulation also ensures lower operating costs.

The oven can be controlled by USB and test parameters can be recorded for further analyses.

- IKA Oven 125 basic dry (125 L Capacity & RT+5°C to 250°C)
- IKA OVEN 125 basic dry-glass (125 L Capacity & RT+5°C to 250°C)
- IKA OVEN 125 control-dry (125 L & RT+5°C to 300°C)
- IKA OVEN 125 control-dry glass (125 L & RT+5°C to 300°C)

VISCOMETER

1 to 320,000,000 mPas - the four viscometers of the ROTAVISC series measure in different viscosity measuring ranges from thin juices to highly viscous pastes. Various spindles, stands and software for networking temperature control devices and sensors are available as accessories, depending on the requirements.

The ROTAVISC viscometer series determines the viscosity of liquids in all areas of application ranging from the laboratory to quality control. The four devices measure in different viscosity ranges. Regardless of a simple or demanding viscosity measurement – the ROTAVISC viscometer delivers rapid and accurate results. Moreover, the software supports the requirements of **FDA CFR 21 Part 11**. Highly precise measurement results with a good reproducibility of **±0.2%**.

- Viscometer Packages With Ball Bearing
- Viscometer Packages With Jewel Bearing
- **ROTAVISC lo-vi** Viscosity measuring range: 1 – 6000000 mPas
- **ROTAVISC me-vi** Viscosity measuring range: 100 – 40000000 mPas
- **ROTAVISC hi-vi I** Viscosity measuring range: 200 – 80000000 mPas
- **ROTAVISC hi-vi II** Viscosity measuring range: 800 – 320000000 mPas
- **Complete Packages include:**
ISO standard spindle set, protective bracket, temperature sensor, ROTASTAND.
- **Complete HELI include:**
ISO standard spindle set, protective bracket, temperature sensor, motorized HELISTAND.



SYNTHESIS REACTOR

With its double-walled reactor vessels from 100 ml to 5000 ml, EasySyn is a medium-sized and very flexible upscaling system. It ensures safe and reproducible chemical reactions.

- **ADVANCED SYSTEM:** With Eurostar 100 Control And Draining Set (LT 5.40)
- **STARTER SYSTEM:** With Eurostar 60 Digital
- **COMMON ITEMS:** Stand, Reactor Vessel, Clamp 100, O - ring 100, Reactor Lid, Propeller, Guide, Keyless Chuck



HIGH VISCOCITY REACTORS

IKA lab reactors are the ultimate systems when it comes to optimizing and reproducing chemical reaction, mixing, dispersing, and homogenization processes on a lab scale. The lab reactors can be individually customized to perform numerous tasks, including production of crèmes and lotions, and the grinding and disintegrating of solids and fibers in liquids or polymers. Single-walled or double-walled vessels made from borosilicate glass or stainless steel are available, each with or without bottom discharge valve. Functionality, safety, and longevity are the main goals in the development of IKA laboratory reactors.



CALORIMETER

IKA's calorimeters, including the C1, C 200, C 6000 und C 7000 models, for more than 100 years, IKA has developed calorimeters and are considered very successful tools, stand out as market leaders in determining the calorific values of both liquid and solid samples.

- **TYPES AVAILABLE:** Adiabatic, Dynamic, Isoperibol, Double Dry & Halogen Resistant
- **AUTOMATED MODELS:** C3000 & C6000
- **SEMI AUTOMATED MODEL:** C 200
- **STATIC JACKET MODEL:** C1
- **DOUBLE DRY MODEL:** C7000
- **INDUSTRIES USED:** Educational, Laboratories, Waste Management, Feed Industry, Construction Materials, Disposal Industry



LABWORLDISOFT

labworldsoft® 6 laboratory software networks, controls, and evaluates: Over 700 laboratory instruments, mini-plant systems, and technical items from more than 55 manufacturers are pre-installed in your new laboratory cockpit. We would be more than happy to implement your desired device in the equipment library if it isn't already there.

labworldsoft® 6 lets you digitize your laboratory. All the equipment can be operated right from your PC.



AIR CONDENSER--- WATERLESS CONDENSER

The Asynt CondensSyn Waterless Air Condenser is a unique glass condenser, handmade individually in the UK, that requires no cooling water for operation.

- 200 mm recommended for use with flasks up to 100 ml in size†
- 350 mm recommended for use with flasks up to 500 ml in size†
- 450 mm recommended for use with flasks up to 1000ml in size†

†Not more than half full.

PRODUCT RANGE

CondensSyn air condensers - simple and safe to use – with no risk of flooding!

- **GB-C-200-B14** 200 mm with B14 socket
- **GB-C-200-B19** 200 mm with B19 socket
- **GB-C-200-B24** 200 mm with B24 socket

- **GB-C-350-B14** 350 mm with B14 socket
- **GB-C-350-B19** 350 mm with B19 socket
- **GB-C-350-B24** 350 mm with B24 socket
- **GB-C-350-B29** 350 mm with B29 socket

- **GB-C-450-B14** 450 mm with B14 socket
- **GB-C-450-B19** 450 mm with B19 socket
- **GB-C-450-B24** 450 mm with B24 socket
- **GB-C-450-B29** 450 mm with B29 socket

| Solvent | DCM | Acetone | THF | Ethanol | Acetonitrile | Water* | Toluene |
|------------------|--------|---------|--------|---------|--------------|--------|---------|
| bp(°C) | 40 | 56 | 66 | 78 | 82 | 100 | 110 |
| Oil bath (°C) | 50 | 71 | 78 | 100 | 100 | 120 | 125 |
| Difference (°C) | 10 | 15 | 12 | 22 | 18 | 20 | 15 |
| Time (min) | 240 | 360 | 300 | 300 | 300 | 240 | 300 |
| %-loss (Total)** | -0.80% | -1.30% | -1.40% | -0.50% | -0.90% | -1.60% | -0.90% |
| %-loss per hour | -0.20% | -0.20% | -0.30% | -0.10% | -0.20% | -0.40% | -0.20% |

Evaluations were based upon a basic 350 mm effective length CondensSyn, a 250 mL round bottom flask with 150 mL of solvent.

- **GB-C-DIST-B24** Distillation adapter for use with B24 socket CondensSyn
- **GB-C-DIST-THERM** Thermometer and adapter set with B24 socket

CONDENSYN DISTILLATION ADAPTER: The CondensSyn® Distillation Adapter allows chemists to use the CondensSyn waterless air condenser in a vertical orientation for distillation purposes.

DRYSYN VORTEX–PARALLEL MIXING

A mechanical gearbox converts the drive of one standard overhead stirrer motor into 3 shafts for powerful overhead stirring, with heating provided by any standard laboratory heating plate.

The DrySyn Vortex perfectly compliments the standard range of DrySyn MULTI inserts for round bottom flasks, from 100 mL up to 500 mL.

- Operates with only one overhead stirrer for up to three 500 mL round bottom flasks.
- Perform multiple reactions with one overhead stirrer, whilst maintaining a compact footprint
- Accommodates up to 3 x 500 mL round bottom flasks
- Compatible with DrySyn MULTI 100 mL, 250 mL & 500 mL inserts
- Temperature range: up to 200 °C
- Speed range: 50 – 500 rpm
- Use with DrySyn SnowStorm MULTI inserts also allows use down to a minimum temperature of -30 °C.



DRYSYN

- DrySyn Single Position Blocks
- DrySyn Multi Position Blocks
- DrySyn Low Temperature Range
- DrySyn Reactors
- DrySyn Overhead Stirring
- DrySyn Accessories



Single Position Block



Classic Kit 25ml



MAXI 2L



Prodigy



Parallel Synthesis Kit



Super MAXI



NMR Tube Heating Block



UNO Base



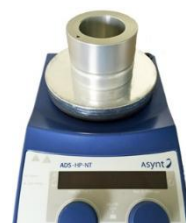
Snowstorm Multi Starter Kit



Multi Bases 5 ml – 500 ml



Snowstorm ONE



Schlenk Tube Heating Blocks

DRYSYN REACTORS



OCTO PLUS



Spiral Evaporator



OCTO Mini



Octo Reaction Station



Snowstorm

f REACTOR CSTR Flow Chemistry

From small scale modular benchtop *f*Reactor Flow Chemistry platforms with options to suit various temperature or material requirements, through to more advanced systems for multi-step and automated reaction sequences.

With a comprehensive range of accessories, and dedicated Flow Chemistry on-line learning platform at www.fReactor.com, Asynt have a wealth of experience in Flow Chemistry and can assist you in all your related requirements.

- 5 x PEEK *f*Reactor Classic modules, each 1.8 mL
- 1 x aluminium holding plate with thermocouple hole & protective screen
- 15 x Viton O-rings
- 6 x PTFE cross stirrer bars
- 20 x flangeless PEEK fittings with ETFE ferrules
- 15 x Tefzel blanking plugs
- 2.5 m x PTFE tubing
- 1 x tube cutter
- 1 x hex key
- Temperature Control Base: -50 °C to 150 °C



f REACTOR - PHOTOFLOW

The *f*Reactor Photo FLOW module was developed by the University of Leeds in conjunction with Asynt and gives scientists the potential to develop and expand their Flow Chemistry work quickly and easily to include photochemistry. This new addition to the Asynt *f*Reactor Flow Chemistry platform is manufactured in the UK. Available to purchase individually, each *f*Reactor Photo FLOW module is positioned over the desired *f*Reactor position in your set-up with easy-to-use plug-and-glow technology. With a fully customizable configuration possible, you can choose to use just one of these compact Photo modules on one of the 5 *f*Reactor CSTRs or add further Photo modules for up to five positions running simultaneously. You can run all five of these from just one power supply using optional splitter leads. Each module includes an individual cooling fan to ensure temperature control to the contained CSTR.



Choice of two models initially available:

- 460 nm (Blue) 10w LED COB chips
- 365 nm (UV) 10w LED COB chips
- Other wavelengths available on request as custom orders

- *f*Reactor Photo FLOW photochemistry reactors available individually for easy customization of your reaction setup
- Suitable for heating up to 55 C max
- One power supply is sufficient for up to five modules via connection splitter



LightSyn Lighthouse

The LightSyn Lighthouse is ideal for photo chemists looking to obtain equal photon flux throughout their reaction medium. The reduced distance of the light to the sample, by channeling the light through quartz into the sample, increases the power the medium is exposed to.

- **Temperature:** Ambient to 80 °C
- **Temperature with cooling ring:** -30 °C to 80 °C (dependent on circulator system)
- **Stirring:** Magnetic stirring with agitation bar
- **Internal capacity:** The lighthouse can hold 18 mL plus a stirrer bar, maximum volume.
- **Base capacity:** Either single, or up to 3 positions
- **Inlets:** 1 Gas inlet (hose barb for 8mm ID tubing included) and 2 inlets/outlets (for sampling/additions)
- **LED:** 10 W
- **Material:** Anodized aluminum body and base, quartz reactor rod head from carbon-filled PTFE



Illumin8 Parallel Photoreactor

Asynt's LightSyn Illumin8 parallel photoreactor is ideal for safe, benchtop parallel photochemistry. Working closely with some of our key customers we took their "go to" tool for parallel screening, our OCTO parallel reactor, and developed a high-powered LED photo array to complement it. Illumin8 is a no-compromise, safe, well-engineered module based on the [DrySyn OCTO MINI](#) 8-position reaction station with magnetic stirring and optional heating via any standard hotplate stirrer.

- **Most popular LED modules;** Royal Blue 450 nm LEDs OR 365 nm LEDs.
- **Other wavelengths include** UVA LED 390-395 nm, Violet LED 405 nm, Blue LED 460-470 nm, Green LED 520-525 nm,
- Yellow LED 590-595 nm, Red LED 620-625 nm, Deep Red LED 650-660 nm.
- Other wavelengths available upon request
- Each reaction tube has a dedicated 10 w rated LED COB light source
- 8 position photoreactor, utilizing DrySyn OCTO parallel reactor
- 8 x reaction volume from 1 mL to 8 mL
- Even photon flux to each reaction
- Sampling& additions possible to individual reaction tubes whilst in operation
- Heating up to 80° C
- Low-cost consumables
- Safe and simple to use



➤ **HIGH PRESSURE REACTORS**

Asynt pressure reactors in both single and parallel format are available in convenient standard configurations or fully customized to meet your specific requirements.

PressureSyn – High Safety Reactor

- Designed, manufactured & tested in the UK, from traceable certified 316 stainless steel.
- Maximum working pressure of 180 bar & 200 °C
- Comes with a pressure relief valve, and a bursting disk as standard.
- Unique bracket with locking clasp so the system can be easily set up and disassembled but cannot be disassembled when under pressure.
- Agitation via magnetic stirring bar.
- Pressure relief needle valve with a built-in key that can be used to unlock the clasp only once any residual pressure is released.
- Fits a specially designed DrySyn adapter base plate for use on a standard magnetic stirrer hotplate, to 200 °C.



High Pressure Single Reactors

- Standard low-pressure models have design pressure of 55 barg, operating pressure of 50 barg.
- Standard high-pressure models have design pressure of 200 barg, operating pressure of 180 barg.
- 316 stainless steel or Hastelloy C276 but other options available upon request
- Fail safe mechanism and optional bursting disc
- Ideal for homogeneous and heterogeneous catalysis studies
- Gas insertion feed excellent for hydrogenation reactions
- Heating and agitation via magnetic hotplate stirrer as standard with magnetic flea
- Secure fitment to your hotplate via DrySyn adapter
- 316 stainless steel or Hastelloy C276 but other options available upon request



Quadra Cell 4 Position High-Pressure Reactors

- 4 x 10ml Cells
- Pressure Rating of either 50/100/200 Bar
- Stainless Steel 316 build as standard
- Other materials available such as Hastelloy C276
- Heating & agitation via standard magnetic stirrer hotplate
- Alternative means of temperature control and agitation available



Multicell Parallel High-Pressure Reactors

- 10x30 ml vessel in 316 stainless steel
- 100 Bar @ 300° C
- 316 stainless steel
- Fail safe mechanism
- Homogeneous and heterogeneous catalysis
- Screening
- Parallel Synthesis

Multicell-PLUS Parallel High-Pressure Reactors

- 8 x 30 ml cells as standard, but 4,6 and 10 cell arrangements possible with individual cell volumes up to 100 ml
- Standard Unit Operates up to 50 barg and temperature up to 200° C
- Options up to 200 barg and temperature of 300° C and beyond
- Compact footprint of Ø220 mm for 4 & 6 cells units& Ø310 mm for the 8 & 10 cell assemblies
- Unique Multicell-Plus safety interlock



LAB REACTORS - REACTOMATE

Designed with user-friendliness in mind, the numerous innovative features of the ReactoMate DATUM support make it the ideal addition to your laboratory. Suitable for vessels from 100 mL to 5,000 mL, this support allows you to replace multiple reactor setups with one versatile and reliable system.

Changing a vessel is as simple as “Clip & Click”: the novel neck clamp is designed to allow fast changeover between reactor vessel sizes thereby enabling simple synthesis scale up. The ingenious mounting mechanism ensures excellent stability and alignment every time and is easily set up for left or right-handed use.

With a wide range of accessories and upgrades available, including quick-release couplings and drain manifolds, the ReactoMate DATUM support really is the perfect all-rounder for laboratory scale reactions.

- Stunning, safe and practical system for 100 mL to 5,000 mL.
- Constructed from the highest quality stainless steel and anodized aluminum, the dual-rod design provides a sturdy yet compact reaction station.
- Stunning, safe and practical system for 100 mL to 5,000 mL.
- Low-friction polymer bearings line both the overhead stirrer alignment chuck and the neck support to ensure a smooth and easy operation.
- The DATUM neck clamp makes changing vessels as simple as “Clip & Click”
- Fully compatible with all leading brands of overhead stirrers and circulator heating/cooling systems.
- Built to operate over a temperature range from -70 °C to +220 °C the ReactoMate Datum PT100 temperature probe linked directly to the heating/cooling circulator ensures accurate solution temperature control.
- Wide range of accessories and upgrades available, including optional automation packages.
- **LAB Reactors: 50ml to 5 L, PILOT SCALE: Up to 50 L, PROCESS SCALE: Up to 100 L**
- **MOC Available: GLASS, Stainless Steel (SS), Inconel & Titanium**



Custom PTFE
Reactors



Static Dissipative PTFE
Reactor Accessories



Amber Coated Reactor



Double Walled

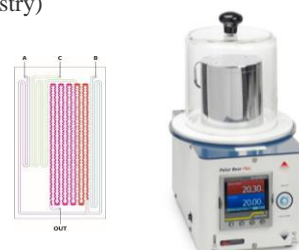


Triple Walled

Designed by chemists for chemists, our innovative & effective solutions make flow chemistry accessible to novices while at the same time catering for multi-step and automated reaction sequences. Start with a simple, modular CSTR based [fReactor](#) system, or low-cost [Flow Lab](#) system and simply upgrade as necessary by choosing from our comprehensive range of material options, reactor modules, automation tools, and accessories.

PRODUCT RANGE

- **Hot Coil – Coil Reactor Heater** (Low-Cost Heated Coil Reactor Unit)
- **Binary Pump Module** (Dual Channel Reagent Delivery Module)
- **Flow Lab Plus** (Modular Flow Chemistry System for Maximum Flexibility)
- **Hot Chip– GSM Heater Module** (Glass Static Mixer/Reactor Block Heater)
- **Flow Lab Systems** (Affordable, Modular Flow Chemistry Systems)
- **Polar Bear Plus GSM** (Versatile Heating/Cooling Module for Uniqsis Glass Static Mixer/Reactor Blocks)
- **PhotoSyn** (High Power LED Photoreactor for continuous Flow Applications)
- **Polar Bear Plus Flow** (Advanced Modular Flow Reactor with Heating and Cooling Flow Chemistry)
- **Borealis Flow** (Cost Effective LED Photoflow Reactor)
- **Flow UV** (Inline UV-Vis Spectrometer)
- **Solstice** (Parallel 12-Position LED Photoreactor)
- **PHOTOCHIP** (LED Photoreactor for Glass Mixing Reactor Blocks)
- **Polar Bear Plus GSM Photo** (Temperature Controlled GSM Photoflow Reactor)
- **Solstice MAXI** (Multi-Position 12 x 20ml LED Photoreactor)
- **Borealis LED Lamp** (Compact, High-Intensity Photochemistry LED Light Source)



BOREALIS– PHOTO –FLOW REACTOR

- Available standard wavelengths 370, 410, 440, 460, 520nm
- Maximum input power 180W
- Liquid cooled LEDs (connects to water supply, MiniStat or Piccolo Peltier heat exchanger) fitted with quick connects
- Wavelength automatically detected when connected to Borealis power supply
- Temperature sensor and safety cutout fitted to protect the LEDs
- Inert gas purge input for low temperature use
- Safety interlock fitted to prevent accidental exposure to high intensity light
- 15ml FEP tubing with standard 1/4-28 HPLC fittings
- Inverted internal coil mandrel
- Fitted with embedded temperature sensor (connects to power supply)
- Fits inside Cold Coil reactor module



SOLSTICE 12 POSITION LED PHOTOREACTOR

- Compact, Temp. Controlled, Multi-Position Photoreactor
- 12 x 8ml (Max) Septum sealed tube reactors
- Efficient vortex stirring of all reactors
- Control of Internal Reaction Temperature
- Fits onto a Standard Magnetic Stirrer (135mm Top Plate)
- 120 W or 180 W high intensity LED Light Source
- 365nm, 385nm, 405nm, 420nm, 455nm, or 525nm



FLOW UV – INLINE SPECTROMETER

- Long Life, pulsed Xe Source (200-900nm)
- UV Enhanced 3648-pixel CCD detector array
- Chemically inert high pressure PFA flow cell
- Compact, Portable and easy to use
- Flow-UV software allows simultaneous monitoring at 5 wavelengths



Brady is a manufacturer of complete solutions that identify and protect people, products and places. Brady's products help customers increase safety, security, productivity and performance and include high-performance labels, signs, safety devices, printing systems and software.

ABSORBENTS (SPILL KITS)

- Chemical Spill Kit
- Oil Spill Kit
- Universal Spill Kit
- Pads And Rolls

LABELS

- Heat Resistant Labels
- Low Temperature Labels
- Custom Labels
- Metallic Labels
- Permanent Adhesion Labels
- Removable Labels

LOCKOUT AND TAGOUT

- Lockout Signs
- Lockout Tagout Tags
- Safety Software And Services
- Valve & Hose Lockouts
- Cable Lockouts
- Battery Lockouts

PIPE AND VALVE MARKING

- Arrows And Pipe Banding Tape
- Valve Tag Accessories
- On-Demand Pipe Markers And Tags
- Brass Valve Tags

PRINTERS AND SCANNERS

- Printers for Datacomm Jobs and Electrical Work
- Printers for Laboratory
- Printers for Safety Identification
- Handheld Printers
- Portable Printers
- PC Connected

SIGNS

- Safety Signs
- Confined Space Signs
- Electrical And Arc Flash Signs
- First Aid Signs
- Machine Operating Signs
- PPE (Personal Protection) Signs
- Fire And Emergency Signs
- Exit Signs
- Evacuation & Shelter Signs
- Hazardous Material Signs
- Traffic And Parking Signs
- Restricted Access Signs



TAGS

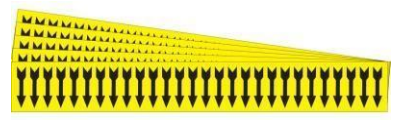
- Accident Prevention Tags
- General Safety Tags
- Scaffold Tags
- RTK (Right To Know) Tags
- Inventory Tags

TAPES

- Anti-Slip Tape
- Solid Floor Marking Tape
- Glow-In-The-Dark Tape
- Reflective Tape
- Pipe Marking Tape
- Lean/5STape
- DOT Reflective Tape
- Caution and Warning Tape
- Barricade Tape
- Stripped & Patterned Tape
- Underground Warning Tape
- Pre-Printed Tape

SOFTWARE

- Brady Workstation
- Brady Connect
- Brady Codesoft

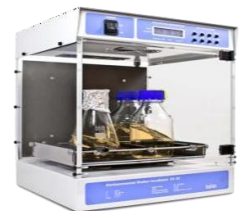


Grant Scientific UK has been designing and manufacturing innovative scientific equipment's for the scientific, healthcare, biotechnology, and industrial markets worldwide. Their range now covers sophisticated DNA /RNA Extraction and personal Bio-reactors.

- Heated Circulated Bath
- Unstirred Baths
- Shaking Water Baths
- Recirculating Chillers
- Refrigerated Circulating Baths
- Thermostats
- Dry Block Heaters



- Rockers, Shakers, Rotators,
- Densitometers
- UV recirculating sterilizer
- Personal Bioreactor
- Biomagpure Workstation- Automated Nucleic acid purification
- UV Cabinet for PCR
- Aspirators
- Centrifuge



ZENBENCH is specialized in the manufacture of benches for chromatography and mass spectrometry laboratories. Our benches have a compartment to soundproof the vacuum pumps of this equipment, which allows working in noise-free environments and improves performance.

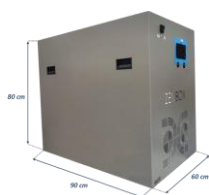
- Mass Spectrometry Benches
- Liquid Chromatography Benches (LC/MS, GC/MS, ICP/MS)
- Custom Lab Benches

MANUFACTURER'S WE SUPPORT FOR BENCHES

- AGILENT
- BRUKER
- PERKIN
- SCIEX
- SHIMADZU
- THERMO
- WATERS



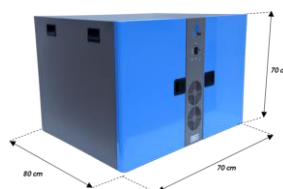
ZenBox is a company was founded in **2017**, is focused on the **development, design and manufacture of soundproof boxes**. We isolate any source of noise; however, we are **specialized in the isolation of vacuum pumps, ultrasonic bath, gas generators and chillers**.



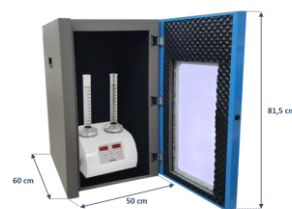
Chiller Enclosure



Single Vacuum Pump Enclosure



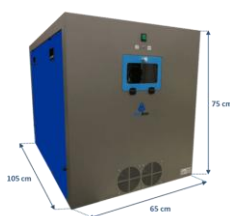
Double Vacuum Pump Enclosure



Tapped Density Enclosure



Sonicator Enclosure



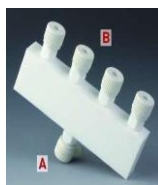
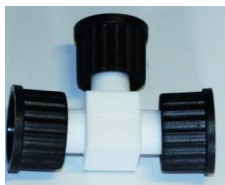
Gas Generator Enclosure



Compressor Enclosure

If it's a matter of quality we, as a manufacturing company, will not leave anything to chance. BOLA stands for: Construction, production, quality assurance, storage and service – you will get the whole package. Many advantages which help to create smooth and efficient work processes in your lab.

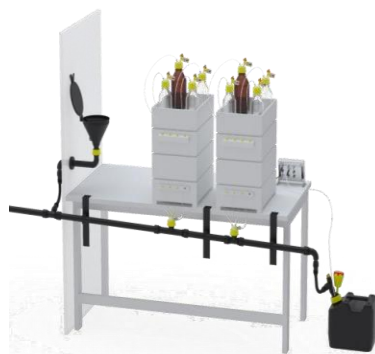
- Stirring Mixing
- Screw Joints / Components with GL Thread
- Screw Joints and Components for EX-Protection
- Screw Joints for Pressures up to 5 Bar
- Tubing, Films, Tiles
- Ground Joint Components
- Temperature Measurement
- Vessels and Distillation Equipment
- Screw Joints for HPLC
- Filtration
- Pumps
- Eco Stopcock Plugs
- Spare Parts



b.safe

The product brand **b.safe** is new on the market and stands for high-professional safety solutions in HPLC. You may already know many of our self-developed and high-quality products.

- For Extraction
- For Disposal
- Preparative
- Tubing & Connectors
- Containers & Collecting Trays
- Funnels
- Fill-Level Control
- Universal / Accessories



Robust construction, appealing design, sophisticated functionality: SICCO desiccators and drying cabinets leave nothing to be desired. That's BOHLENDER experience and know how gained from more than 30 years of delivering safe storage systems for sensitive items and materials.

- Desiccator for Drying/Storage
- Desiccator for Gas Filling
- Automatic Desiccator
- Antistatic Desiccator
- Vacuum Desiccator
- Glove Desiccator
- Accessories for Desiccators And Glove Boxes



Gas Filling



Antistatic



Vacuum



Light
Protected



Automatic



Thermo
Desiccator



Maxi Desiccator



Glove Box For
Exhaustion



Opposite Glove Ports



Glove Box With
Transfer Chamber



Glove Box Air
Stream



Labor Security System is a company consisting of a team of people, whose mission is to create laboratory cabinets able to assure safety and protection.

A safety cabinet has a fire resistance, referred to as TYPE, which can be 15, 30, 60 or 90 minutes.

This results in the following classifications: **TYPE 15, TYPE 30, TYPE 60 & TYPE 90**

- **SAFETYBOX** – Storage of Flammable Substances
- **SAFETYBOX** – Storage of Chemicals, Acids and Bases
- **SAFETYBOX KEMFIRE** – Combined Storage of Chemicals, Acids, Bases and Flammable Products
- **SAFETYBOX** – Storage of Compressed Gas
- **CARBOX** – Filtration Systems for Harmful Fumes resulting from Chemical Processing's
- **UTILITIES** – Cabinets and Accessories for the protection of user and environment



About [SalvisLab Renggli AG](#), founded in 1927, is an established Swiss family enterprise with international orientation in the realm of complete laboratory solutions. As one of the leading European manufacturers and market leaders in Switzerland, Renggli designs and implements state-of-the-art laboratories for research, industry, medicine and education.

Heating Oven - Thermocenter (Up to 275C)

- TC40+: Volume 40 L, Up to 275-degree, 1000 W and Shelves Max: 5
- TC80+: Volume 80 L, Up to 275-degree, 1000 W and Shelves Max: 5
- TC160: Volume 160 L, Up to 275-degree, 1600 W and Shelves Max: 8
- TC240: Volume 240 L, Up to 275-degree, 1800 W and Shelves Max: 8
- TC400: Volume 400 L, Up to 275-degree, 2000 W and Shelves Max: 10



Incubator – Incucenter

- IC40: Volume 40, Up to 110-degree, 500 W and Shelves Max: 5
- IC80: Volume 80, Up to 110-degree, 800 W and Shelves Max: 5
- IC160: Volume 160, Up to 110-degree, 1000 W and Shelves Max: 8
- IC240: Volume 240 L, Up to 110-degree, 1200 W and Shelves Max: 8
- IC400: Volume 400 L, Up to 110-degree, 1200 W and Shelves Max: 10



Vacuum Oven – Vacucenter

- VC20: Volume 20 L, Up to 200-degree, 900 W and Shelves Max: 3
- VC50: Volume 50 L, Up to 200-degree, 1350 W and Shelves Max: 5



CO2 Incubator – Biocenter

- BC50: Volume 50 L, Up to 60 degree, CO2 Range: 0-20 % and Shelves Max: 3
- BC190: Volume 190 L, Up to 60 degree, CO2 Range: 0.2-20 % and Shelves Max: 8

LONGER A Halma company

Since 1997, we have specialized in the research, development, manufacturing, and sale of precise fluid transfer and handling devices. Longer Pump has always prioritized customer satisfaction, and we provide safe, high accuracy, and high-quality fluid transfer devices and solutions to our customers.

➤ Peristaltic Pump

- Basic Type
- Intelligent Type
- Flow Rate Type
- Dispensing Type
- Industrial Type
- Peristaltic Pump Head
- Peristaltic Pump Tubing
- Pump Accessories



➤ Syringe Pump

- Laboratorial Syringe Pump
- Industrial Syringe Pump



Labwit from Australia has developed a comprehensive line of laboratory shakers and shaking incubators for the Biotechnology and Biopharma industry. These products are unique in their quality and versatility at prices that make it very affordable.

ULTIMATE-CELL STACKABLE SHAKING INCUBATOR

- Intuitive Touch Screen Panel
- Direct Injection Humidification System
- Advanced CO2 Controlling with IR Sensor
- Photosynthetic LED Lightings
- Password And Fingerprint Encryption

SHAKING INCUBATOR

- Premium Stackable
- Premium Benchtop
- Premium Horizontal
- Premium Double Layer
- Economic Range
- Economic Benchtop
- Economic Horizontal
- Economic Double Layer



SHAKERS AND ROCKERS

- Benchtop Orbital Shaker
- Benchtop Reciprocal Shaker
- Benchtop See-Saw Shaker
- Floor Orbital Shakers



INCUBATORS

- Direct Heating CO2 Incubator
- Direct Heating Incubator
- Water Jacket Incubator
- Premium BOD Incubator
- Premium Low Temperature Incubator
- Economic BOD Incubator
- Humidity Incubator



DRYING OVEN

- Airtight Door
- Adjustable Air Vent
- Convenient Working Environment
- Back Heating & Bottom Heating
- Ambient +5 to 200° C
- Ambient +5 to 300° C
- Timer: 1-999 minutes
- LCD Display
- Alarm Enabled
- Temperature Accuracy: 0.1° C



WATERBATHS

- Water Baths
- Circulating Water Bath
- Non-Circulating Water Bath
- Personal Mini Water Bath
- Reciprocal Shaking Water Bath



Branson Ultrasonics is part of the Conglomerate- Emerson. Branson is a pioneer in the field of Ultrasonics and has products for the Laboratory, process and Industry. Branson is known for its superior performance, very low noise and long life. This is made possible by the usage of Industrial grade transducers which make these products the leader in Laboratory cleaning and cell lysis.

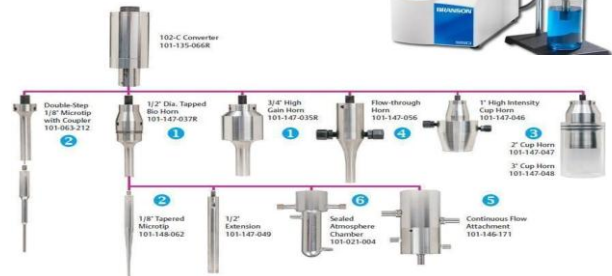
ULTRA SONIC BATH / BATH SONICATOR

- **Digital Series - CPX**
- With Digital display of Temperature and Time.
- **Digital Series With Heating – CPXH**
- With Digital Display of Temperature, Time and Heating
- **Analog Series - M**
- With Analog control of Temperature and Time.
- **Analog Series With Heating - MH**
- With Analog control of Temperature, Time and Heating



SONIFIER / PROBE SONICATOR

- SFX 150 – 0.2ml to 150ml
- SFX 250 – 0.2ml to 500 ml
- SFX 550 – Up to 1000ml



OPTIKA[®] I T A L Y

OPTIKA Italy is one of the leading company in the manufacturing high quality Optical systems. They are among the last few companies to provide products fully manufactured or assembled in Europe in the Microscopy Industry. With a 45-year experience in the production of scientific equipment's, Optika has set a benchmark in quality and reliability.

UPRIGHT MICROSCOPES

- Brightfield
- Darkfield
- Fluorescence
- Polarized Light
- Phase Contrast
- Material Science (MET)



INVERTED MICROSCOPES

- Phase Contrast
- Fluorescence
- Material Science (MET)

- **STEREO MICROSCOPES**
- **CAMERA AND DIGITAL SOLUTIONS**



Novapro Co., Ltd specializes in manufacturing innovative laboratory equipment in the field of Life Science and develops high-quality products through its own cutting-edge technology. All products are distributed worldwide under its own brand “CRYSTE”.

CENTRIFUGE

Application

- Cell-harvest, Tissue-Culture, Nucleic and Fraction (DNA/RNA work), Mini-prep, Subcellular Separations Etc.,

Types

➤ Floor Top Centrifuge

| Model | Rotor Type | Max. RPM | Max. RCF | Max. Capacity | Set Temperature |
|--------------|-------------|----------|-----------|---------------|-------------------|
| VELOSPIN 22R | Angle Rotor | 22000 | 54057 x g | 1000ml x 6 | -10 °C to + 40 °C |
| | Swing Rotor | 4000 | 3265 x g | 250ml x 4 | |
| VELOSPIN 17R | Angle Rotor | 17000 | 32278 x g | 500ml x 6 | -10 °C to + 40 °C |
| | Swing Rotor | 4000 | 3265 x g | 250ml x 4 | |



➤ Micro Centrifuge

| Model | Rotor Type | Max. RPM | Max. RCF | Max. Capacity | Set Temperature |
|--------------|-------------|----------|-----------|---|-------------------|
| PURISPIN 18R | Angle Rotor | 18000 | 30717 x g | 50ml Conical x 6 | -10 °C to + 40 °C |
| | Swing Rotor | 13000 | 16343 x g | 1.5/2.0 x 24 | |
| PURISPIN 17R | Angle Rotor | 17000 | 23522 x g | 1.5/2.0ml x 30 | -10 °C to + 40 °C |
| | Swing Rotor | 13000 | 16343 x g | 1.5/2.0ml x 24 | |
| PURISPIN 15 | - | 15000 | 21608 x g | 1.5/2.0ml x 30 / 5ml x 10 | - |
| PURISPIN 6 | - | 6200 | 1800 x g | 8 x 0.2/0.5/1.5/2.0 ml Tubes 4 x 0.2ml PCR Tube Strips | - |



➤ Multi High Speed Centrifuge

| Model | Rotor Type | Max. RPM | Max. RCF | Max. Capacity | Set Temperature |
|--------------|-------------|----------|-----------|---------------|-------------------|
| VARISPIN 15R | Angle Rotor | 15000 | 23847 x g | 250ml x 6 | -10 °C to + 40 °C |
| | Swing Rotor | 5000 | 4947 x g | 750ml x 4 | |
| VARISPIN 15 | Angle Rotor | 15000 | 23847 x g | 250ml x 6 | - |
| | Swing Rotor | 4000 | 3667 x g | 750ml x 4 | |
| VARISPIN 12R | Angle Rotor | 12000 | 16647 x g | 85ml x 6 | -10 °C to + 40 °C |
| | Swing Rotor | 5000 | 4947 x g | 250ml x 4 | |
| VARISPIN 12 | Angle Rotor | 12000 | 16647 x g | 85ml x 6 | - |
| | Swing Rotor | 4000 | 3461 x g | 250ml x 4 | |
| VARISPIN 6R | Angle Rotor | 6000 | 5357 X g | 50ml x 8 | -10 °C to + 40 °C |
| | Swing Rotor | 4500 | 3781 x g | 100ml x 4 | |
| VARISPIN 6 | Angle Rotor | 6000 | 5357 x g | 50 ml x 8 | - |
| | Swing Rotor | 5000 | 4724 x g | 250 ml x 4 | |
| VARISPIN 4 | Angle Rotor | 4000 | 2689 x g | 15ml x 24 | - |
| | Swing Rotor | 4000 | 2987 x g | 100ml x 4 | |
| VARISPIN 4A | - | 4000 | 2075 x g | 15ml x 8 | - |



LAB SAFETY

Fume Hood

- **Models:** PURIFUME 1200 & PURIFUME 1500

| | |
|-----------------|---|
| Type | Bypass Air Type |
| Controller | Standard: Lamp, Blower On/Off Switch |
| Sash | Weight Balanced Sliding Tempered Safety Glass |
| Base Stand | Storage Cabinet |
| Inside Material | Phenol Laminate |
| Duct | Ø200 / Ø250 / Ø300 |
| Sink | Cup Sink |
| FL Lamp | 20W x 1EA |



LAB BASIC

Autoclave

- **Models:** PURISTER 60, PURISTER 80 & PURISTER 100

| | |
|---|-------------------------------------|
| Capacity | 60L, 80 L & 100 L |
| Operating Temperature For Sterilization | 105°C - 121°C |
| Operating Pressure For Sterilization | 1.2 bar at 121°C, 1.3 bar at 124° C |
| Pressure Gauge Range | ~ 0.3 bar |
| Inside Material | Stainless Steel Plate 304 |
| Outside Material | Epoxy Powder Coated Steel Plate |



Our Company Ingenieurbüro CAT, M. Zipperer GmbH develops since 1976 tailor-made individual solutions in the laboratory area. The product range extends from high-precision micro dosage pumps to magnetic stirrers, shakers, dispersing devices, cell counters and robots for laboratory automation.'

- Overhead Stirrers
- Homogenizers
- Magnetic Stirrers
- Hotplates
- Mixers And Shakers
- Cell Counter
- Valveless Ceramic Pumps
- Laboratory Automation



From April 1993, Human Engineering based in Seoul, Korea has been selling laboratory & measuring instruments. Owing to the national economic growth and rising investments in R&D by the companies. We expanded by combining our accumulated know-how with the newest technology into manufacturing autoclaves, incubators, dry ovens and so on since 1995 and now exports globally. In July 1999, the company name changed to Humanlab dedicated to meet the customers needs.

- Autoclave, Sterilizer
- Bath
- Vacuum Oven
- Incubator
- Digital Muffle Furnace
- Vacuum Freezer Dryer



FDE-0250/0350



FDI-0950



RADOBIO

RADOBIO SCIENTIFIC CO.,LTD is committed to become a professional supplier of cell culture solutions, focusing on the development of environmental control technology for animal and microbial cell culture, relying on the development and production of cell culture related instruments and consumables, and writing a new chapter of cell culture engineering with innovative R&D capabilities and technical strength.

- CO₂ Incubator
- Incubator Shaker
- Biosafety Cabinet
- Clean Bench



Saint-Gobain Life Sciences

Custom Single-Use Bioprocess Bags

Saint-Gobain Life Sciences is a leading global supplier of single-use bags for the biopharmaceutical industry. While our set of standard designs provide a ready-made solution for some customers, we understand that many applications require highly customized bag solutions to work with your specialized processes. With Saint-Gobain Life Sciences' large catalog of single-use fluid handling components and open architecture approach to incorporate components provided by other suppliers, we offer complete customization of our bioprocess bag assemblies. Virtually every element of our bag assemblies can be tailored to meet your exacting needs. Bag style and geometry, chamber volumes, the number, size, style, and placement of ports, tubing and fittings selection, and other fluid handling components – all can be selected and crafted to fit perfectly with your process. We are ready to produce bag solutions that are tailor-made for your application needs.

Bag Style

Perhaps the first consideration to make when designing a custom bioprocess bag with Saint-Gobain Life Sciences is to select the appropriate bag style. There are three main styles of bioprocess bags: liners, 2D or pillow style, or 3D.

LINER: A Liner is essentially an open top bag meant to be placed inside of a tank or containment vessel.

2D or PILLOW STYLE: This style of Bag is simply two faces welded together on all sides resulting in a pillow shape when the bag is filled.

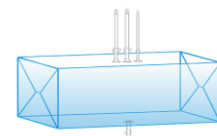
3D: A 3D bag is often cuboidal in shape and is created by sealing multiple sheets of film together.



Liner

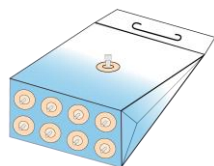


2D or Pillow Style

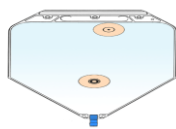


3 D

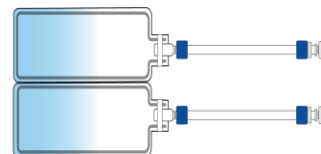
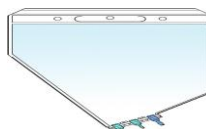
Unique Geometries



Lunch Bag Styles



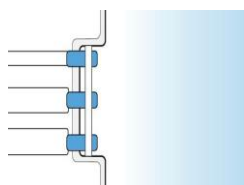
Tapered Or Cascading Edges



Multiple Chambers

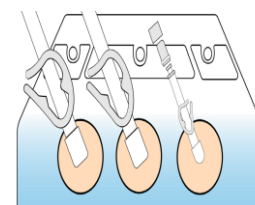
Bag Volumes

- LINER: 5 L – 2,000 L
- 2D or PILLOW STYLE: 10ml – 500 L
- 3D: 2 L – 3,000 L



Ports

- Insert / End Port
- Flange / Face Port



Platinum Cured Silicon Tubing

Sani-Tech Ultra

TYGON

Pure-Fit

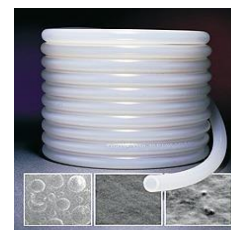
Features:

- Ultra-pure biopharmaceutical grade platinum-cured tubing
- Unsurpassed surface smoothness and flexibility
- Fully characterized and tested to USP, ISO, and FDA criteria

Autoclavable and sterilizable

Benefits:

- Facilitates validation process .
- Eliminates extractable and contamination concerns
- Fully traceable for quality and document control



Thermoplastic Elastomer Tubing

Pharma-Pure

PharMed

C-FLEX

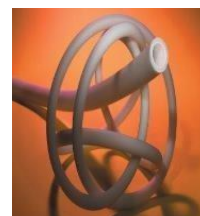
C-FLEX ULTRA

Features:

- High-performance long-lasting pump tubing
- Low particulates
- Fully tested to USP, FDA, and ISO requirements
- High temp. capability to withstand SIP and CIP cycles

Benefits:

- Outlasts silicone tubing up to 30 times in pumps
- Characterized to facilitate validation
- Minimal extractable to insure biological consistency



Sani-Link Ultra
Platinum-Cured Manifolds

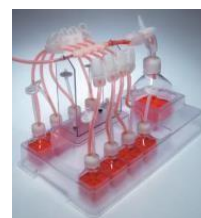
Sani-Link Ultra Is an industry first with a patent. The manifold minimizes/ eliminates the need of fittings, connectors or assembly thereby eliminating all points of contamination or leakages.. The design and assembly will be made with single molding and provided in a Gamma sterilized, package.



Bio-Simplex

C-FLEX Sampling Manifold Systems

Simplex Sampling Manifold Systems are available with either four, six, eight or ten 60mL sampling bottles and an additional 500mL purge bottle at the end of the manifold. Each 60mL PETG bottle is connected to the Bio-Simplex manifold with 10 inches of tubing with a clamp, an EZ Top® container closure, a 0.2µm vent filter and polyethylene cap. All EZ Top®, tubing and manifolds are made from animal derived component free (ADCF) pharmaceutical grade C-Flex® thermoplastic elastomer (TPE) resin—engineered to ensure an unobstructed fluid path, a secure elastomeric seal against each bottle with extremely low levels of extractables



SiliCycle® Inc. is a worldwide leader in the development, the manufacturing and the commercialization of high value silica-based and specialty products for chromatography, analytical and organic chemistry.

At SiliCycle, we are at the forefront of the chromatography industry, owing to the extraordinary purity of our silica gels and polymeric sorbents, combined with our capacity to rapidly adapt our products to meet the specific requirements of scientists worldwide.



Custom R&D Services

- Scavenging Screening
- Catalysis Services
- Organic Services
- Chromatography, Purification & Analytical Services
- Material Science Services
- Custom Packing Services

Other services available



Scavenging Technology (Silica-Based)

- Metal Scavengers
- Electrophile Scavengers
- Nucleophile Scavengers
- Potential Genotoxic Impurities (PGI)
- Etc.




Sample Preparation

- SPE Cartridges and Well-Plates
- Micro-SPE Tips
- QuEChERS
- Accessories (Vacuum Manifold, Collection Plates, ...)
- Etc.



Chromatography

- Irregular Silica Gels
- Spherical Silica Gels for Preparative Chromatography
- Chromatographic Phases (C18, NH₂, ...)
- Flash Cartridges and Accessories
- TLC Plates
- Etc.



Analytical Chromatography

- Spherical Silica Gels
- HPLC and Guard Columns
- HPLC Column Distributions for Different Manufacturers
- Etc.



Heterogeneous Catalysis

- Coupling (Suzuki, Stille, Heck, Sonogashira, Kumada)
- Debenzoylation
- Hydrosilylation
- Hydrogenation
- Oxidation
- Etc.



Organic Synthesis

- Amide Coupling
- Oxidation
- Reductive Amination
- Other Reagents Available



Equipments

- SiliCycle MiniBlock®
- TLC Scanner
- Vacuum Manifold
- Other Equipments on Our Website



Consumables

- Syringe Filters
- Membrane Filters
- Vials & Caps
- Etc.

E-PAK Cartridges

An Innovative Solution for Fixed-Bed Large-Scale Purification

E-PAK is a family of radial flow adsorption cartridges developed specifically for pharmaceutical processing.

Offered with a choice of metal scavengers, bare silica & activated carbons, these cartridges are designed to remove precious metal catalysts, reaction-by-products or color from synthetic reaction mixtures and natural products.

With E-PAK technology, our sorbents get even more efficient & convenient to use!



We supply what our clients need. Our expertise lies in research, development, and manufacturing. *emp BIOTECH*'s high-impact products give our partners in life sciences and pharmaceuticals the boost they need to make great strides forward. We provide our clients end-to-end solutions from *emp BIOTECH* as a single trusted source. Made in Germany and powered by international expertise.

BIO MOLECULE PURIFICATION

- Affinity Chromatography
- Zetarose Protein A
- Zetarose Protein G
- Zetarose Protein L
- Zetarose Protein NTA



ION EXCHANGE PURIFICATION

- Zetarose Q
- Zetarose SP
- Zetarose CM
- Zetarose DEAE

HYDROPHOBIC INTERACTION

- Zetarose Butyl, Phenyl, Octyl



OLEGONUCLEOTIDE REAGENTS

- Deblocking
- Activators
- Capping Reagents
- Oxidiser
- Cleavage And Deprotection
- Solvents

GEL FILTRATION

- Desalting Columns
- Buffer Exchange Filtration
- FPLC Desalting Columns





www.ultrascientifics.com

ULTRA SCIENTIFCS PRIVATE LIMITED

REGISTERED OFFICE

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