

# Labconsult

## INDUSTRY

ENABLING SCIENCE WITH EVERYDAY **ESSENTIALS**  
**INSTRUMENTS** FOR EVERY LAB  
EVERY **APPLICATION**



BIOPHARMA



COSMETICS



FOOD



VETERINARY



ENVIRONMENTAL



CLINICAL



Labconsult is an independent distributor that supports leading laboratories in the selection and supply of scientific accessories and instrumentation.

It is our mission to provide every lab with scientific expertise and innovative solutions.



### **Over 25 years of experience**

With over 25 years of experience and extensive market knowledge, we have built up an impressive portfolio of products, services and solutions to cover the needs of laboratory and production facilities.



### **Providing highly innovative Lab Equipment and Services**

At Labconsult we only offer Products & Services we believe in, all carefully selected to meet your needs. We are dedicated to develop and maintain long term relationships. This dedication allows us to continuously add real value to both our customers and suppliers. A great cooperation for everyone's success.



### **ISO9001 certified**

Being ISO 9001 certified, we embrace the concept of quality through continual improvement. We aim to enhance customer satisfaction and consistently provide products that meet customer and regulatory requirements.



### **Flexible, reliable and around-the-clock**

Based in Brussels and Ghent, we are able to service the whole Benelux on a flexible, reliable and round-the-clock way. A fast and professional attitude is our commitment to you.



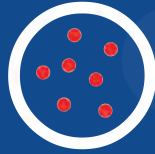
### **Dedicated Team**

We have assembled a dedicated team by combining experienced individuals with young and innovative thinking minds. Both the technical know-how of our Application Engineers as well as the scientific knowledge of our Product Specialists make them indispensable in our team.

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# CULTURE MEDIA & MICROBIAL TESTS





**PharmaMedia Dr. Müller GmbH (PMM)** was founded in January 2013 by Dr. Rolf Müller, who has also founded **Heipha Dr. Müller GmbH** more than 40 years ago. The focus of PMM is the production of high-quality culture media as well as supplying state of the art service to customers of the **pharmaceutical industry**. The production facility in Leimen, Germany, is especially designed to assure the highest level of security.

This range includes the traditional Pharmacopoeia media, such as gamma sterilized media for environmental controls and selective media for product control.

## Environmental Monitoring: CSG- Click& Safe gamma (Cleanrooms class A and B as well as in isolators)

- triple bagged, gamma-irradiated
- lockable petri dishes
- neutralizer: LTHT (L = lecithin/T = tween/H = histidine/T = Na-thiosulfate/ G = Glycine)
- long shelf-life
- room temperature storage: 15-25°C
- temperature controlled delivery on request
- long incubations possible
- H<sub>2</sub>O<sub>2</sub> – impermeable foil
- unique identification assigned by each plate with label and barcode



### Contact plates CSG- Click& Safe gamma

article n°	description	unit
100.0100	TSA+ LTHT	100
120.0100	SDA + LTHT	100
101.0100	TSA U+ <i>To neutralize disinfectants (also for quaternary ammonium compounds and biguanides)</i>	100
114.0100	TSA+LTG+β-Lac 2G <i>Wider activity spectrum and an increased stability.</i>	100
121.0100	SDA+ LTHT + Chloramphenicol	100
200.0060	TSA + LTHT	60
210.0060	TSA	60
214.0060	TSA+LTG+β-Lac 2G <i>Wider activity spectrum and an increased stability</i>	60
220.0060	SDA + LTHT	60
221.0060	SDA + LTHT + Chloramphenicol	60
225.0060	SDA	60
230.0060	R2A (gamma-irradiated, single-bagged)	60

## Environmental Monitoring: CS - Click & Safe

- single bagged
- lockable petri dishes
- neutralizer: LTH (L = lecithin/T = tween/H = histidine)
- long shelf-life
- room temperature storage: 15-25°C
- temperature controlled delivery on request
- long incubations possible
- unique identification assigned by each plate with label and barcode



### Contact plates CS- Click& Safe

article n°	description	unit
300.0120	TSA+ LTH	120

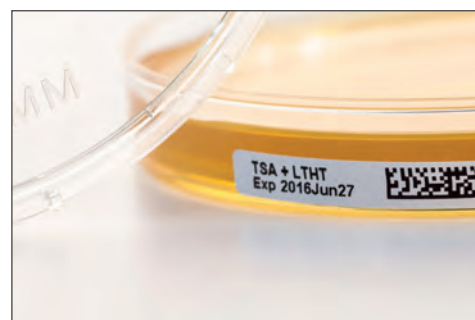
### Settle plates CS- Click& Safe

article n°	description	unit
400.0060	TSA + LTH	60
410.0060	TSA	60
426.0060	SDA	60

## Selective culture media

### CS - Click&Safe

- single bagged
- lockable petri dishes
- neutralizer: LTH (L = lecithin/T = tween/H = histidine)
- long shelf-life
- room temperature storage: 15-25°C
- long incubations possible
- unique identification assigned by each plate with label and barcode



### 90 mm plates

article n°	description	unit
400.0060	TSA + LTH	60
410.0060	TSA	60
425.0060	SDA + Chloramphenicol	60
426.0060	SDA	60
450.0060	Cetrimide	60

### 90 mm plates

article n°	description	unit
455.0060	Mannitol Salt	60
460.0060	McConkey	60
465.0060	VRBD	60
470.0060	XLD	60
490.0060	R2A	60

## I Culture media in bottles

- shrink-wrapped
- packaging concept
- innovative bottle/cap-concept
- indicator labels for a safe autoclaving detection
- unique identification assigned by each plate with label and barcode



### Screw-cap bottles

<i>article n°</i>	<i>description</i>	<i>Volume</i>	<i>unit</i>
500.B100	TSB – Tryptic Soy Broth	100 ml	12
505.D000	TSB	1000 ml	6
542.D000	Fluid A	1000 ml	6
552.D000	Fluid D	1000 ml	6
566.B090	NaCl-Pepton-Buffer + Tween (0,1%)	90 ml	12
571.B090	NaCl-Pepton-Buffer	90 ml	12
578.D000	NaCl-Pepton-Buffer	1000 ml	6
580.B100	Sabouraud-Dextrose-Broth	100 ml	12
581.B100	McConkey Bouillon	100 ml	12
600.B200	TSA	200 ml	12
601.B200	SDA	200 ml	12
602.B200	SDA + Chloramphenicol	200 ml	12

### Infusion bottles, Septum, Coloured Flip Caps

<i>article n°</i>	<i>description</i>	<i>Volume</i>	<i>unit</i>
520.S100	TSB – Tryptic Soy Broth	100 ml	20
530.S100	FTM – Thioglycollate Clear	100 ml	20
540.S100	Fluid A	100 ml	20
550.S100	Fluid D	100 ml	20

## I Customized products

Special customers need special solutions!

To support our customers in specific applications we can provide the production of customized products for you.



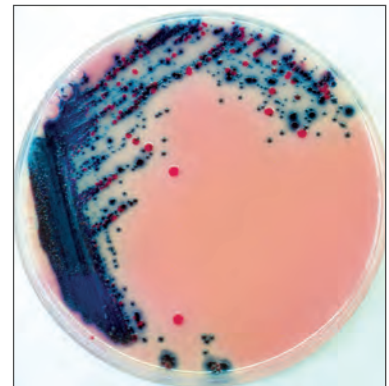




The Liofilchem products for **clinical and industrial microbiology**. Our catalog comprises over 3000 items, mainly classifiable into two categories, clinical and industrial microbiology.

## Ready to use culture media

- Ready culture media in petri dishes with two or three sectors
- Ready culture media in 55 mm contact plates, 60 mm petri dishes, 90 mm petri dishes
- Ready culture media in tubes and bottles
- Chromogenic culture media
- Easy Dry media for water testing
- Ready Bags
- Haemoculture bottle
- Gaspak
- Media for susceptibility testing of mycobacteria



## Dehydrated media, ingredients and supplements

- Dehydrated culture media
- Ingredients for culture media
- Freeze-dried selective and growth supplements
- Liquid supplements
- Animal blood derivatives
- Saline solutions and sputum treatment



## Microbial identification

- Systems for ID and AST
- Microbial staining and fixatives
- Rapid tests for sugar fermentation (dried medium in tube)
- Tests for microbial identification



## Contact- and Dip- slides

- Flexible contact slide for bacteriological screening of surfaces
- Dip-Slide for the screening of urinary infection, urogenital infection and dermatological infection





## I Dehydrated media

Alliance Bio Expertise selected the **best dehydrated media solutions** especially for you. Available in 500gr or in 5 kg, these are easy to use and match perfectly with the A.B.E media preparators MEDIAWEL 30

We produce amongst the most popular references (below list) but also specific and customized solutions.



article n°	description	Amount
DSHB3001	Tryptic Soy Agar (TSA)	500 gr
DSHB3002	Tryptic Soy Broth (TSB)	500 gr
DSHB3003	Sabouraud Dextrose Agar (SDA)	500 gr
DSHB3004	Buffered Peptone Water pH = 7	500 gr
DSHB3005	Pharmacopoeia Diluent	500 gr
DSHB3007	Mac Conkey Agar	500 gr
DSHB3008	Mac Conkey Broth	500 gr
DSHB3009	R2A Agar	500 gr
DSHB3010	Cetrimide Agar (Pseudomonas Selective Agar)	500 gr
DSHB3011	Xylose Lysine Desoxycholate Agar (XLD)	500 gr
DSHB3012	Mannitol Salt Agar	500 gr
DSHB3013	Nutrient Agar	500 gr
DSHB3014	Rappaport-Vassiliadis Broth (RVS)	5 kg
DSHB3015	Brilliant Green Bile Broth (BGBLB)	500 gr
DSHB3016	Brain Heart Infusion Agar	500 gr
DSHB3017	Columbia Agar	500 gr
DSHB3018	Fraser Broth (to be ordered with DSHB3049 or DSHB3050)	500 gr
DSHB3019	Lyophilised Rabbit Plasma Fibrinogen (RPF Supplement)	4 x 100 ml
DSHB3020	Pseudomonas CFC Supplement	10 x 500 ml
DSHB3021	D-Cycloserine Supplement	10 x 500 ml
DSHB3022	Desoxycholate Agar	500 gr
DSHB3023	Kligler Iron Agar	500 gr
DSHB3024	LT100 Broth	500 gr
DSHB3025	Müller-Kauffmann Tétrathionate Novobiocine Broth (MKTn)	500 gr

article n°	description	Amount
DSHB3026	Mossel Broth	500 gr
DSHB3027	Man-Rogosa-Sharpe Agar (MRS)	500 gr
DSHB3028	MYP Bacillus cereus Agar	500 gr
DSHB3029	Bromocresol Purpule Glucose Agar	500 gr
DSHB3030	OGYE Agar	500 gr
DSHB3031	Listeria Oxford Agar (to be ordered with DSHB3051)	500 gr
DSHB3032	Listeria Palcam Agar (to be ordered with DSHB3052)	500 gr
DSHB3033	Bolton Broth Campylobacter (to be ordered with DSHB3053)	500 gr
DSHB3034	Tryptic Glucose Yeast Agar (PCA)	500 gr
DSHB3035	Potato Dextrose Agar (PDA)	500 gr
DSHB3036	Sabouraud Broth	500 gr
DSHB3037	Sabouraud Dextrose Agar (SDA) + chloramphenicol	500 gr
DSHB3038	Tryptone Bile X-Glucuronide Agar (TBX)	500 gr
DSHB3039	TCBS Kobayashi Agar	500 gr
DSHB3040	Thioglycolate Broth	500 gr
DSHB3041	Peptone Salt Broth	500 gr
DSHB3042	Tryptone-Sulfite Cyclosérine Agar (TSC) (to be ordered with DSHB3021)	500 gr
DSHB3043	Violet Red Bile Glucose Agar (VRBG)	500 gr
DSHB3044	Violet Red Bile Lactose Agar (VRBL)	500 gr
DSHB3045	Chloramphenicol Glucose Yeast Extract Agar (YGC)	500 gr
DSHB3046	Bile Esculine Azide Agar	500 gr
DSHB3047	Endo Agar	500 gr
DSHB3048	Buffered Peptone Water pH7.2	500 gr

article n°	description	Amount
DSHB3049	Fraser Selective Supplement	10 x 500 ml
DSHB3050	Fraser Half Selective Supplement	10 x 225 ml
DSHB3051	Oxford Antimicrobial Supplément	10 x 500 ml
DSHB3052	Palcam Antimicrobial Supplément	10 x 500 ml

article n°	description	Amount
DSHB3053	Bolton Broth Selective Supplement	10 x 500 ml
DSHB3054	Mueller Hinton	500 gr
DSHB3055	Rappaport Vassiliadis Soy Broth (RVS)	500 gr
DSHB3056	Columbia Agar Base	500 gr

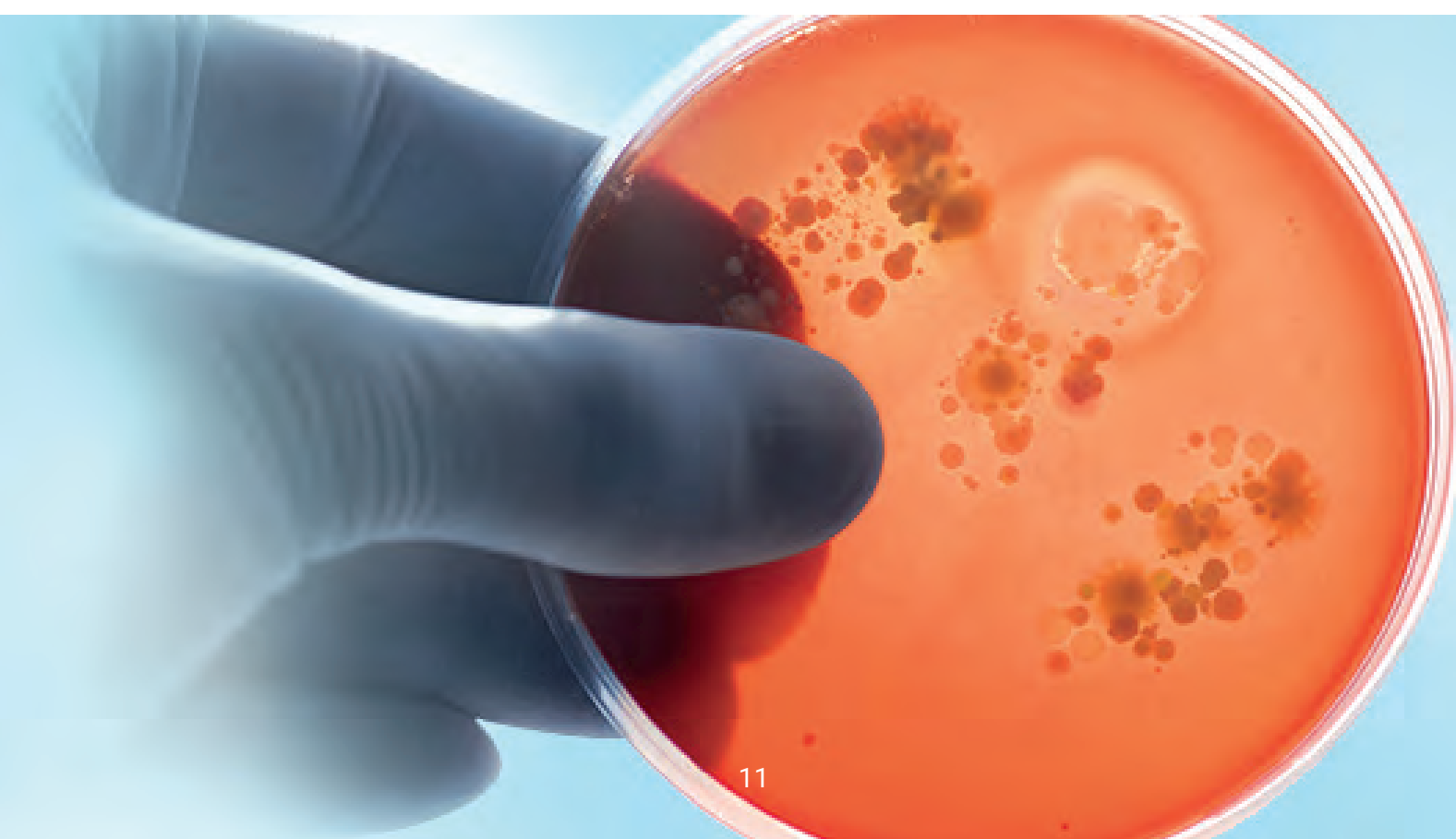
## I Diluent bags

Alliance Bio Expertise provides you with **homemade, fresh and high quality ready to use diluents**. These are easy to use, quickly connectable to your Diluter or Peristaltic pump through the trocar adapter. These are available in bags of 3L or 5L.

We produce amongst the most popular references (below list) but also specific and customized solutions !



article n°	description	Volume	Shelf life
BGWR3001	BAGGYWEL BUFFERED PEPTONE WATER	2 x 5000ml	16 MONTHS
BGWR3002	BAGGYWEL BUFFERED PEPTONE WATER	3 x 3000ml	16 MONTHS
BGWR3005	HALF FRASER (BROTH)	2 x 5000ml	12 MONTHS
BGWR3006	HALF FRASER (BROTH)	3 x 3000ml	12 MONTHS
BGWR3007	MAXIMUM RECOVERY DILUENT	2 x 5000ml	16 MONTHS
BGWR3008	MAXIMUM RECOVERY DILUENT	3 x 3000ml	16 MONTHS



interscience

## I instaBAG

Your diluent ready in minutes!

instaBAG® is a filter bag which includes a dehydrated pre-dosed media, allowing a 2-in-1 process. Skip the timeconsuming media preparation.



### All the advantages of a filter bag

Debris are blocked by the filter during blending

### Long shelf life

- Easy pouch opening
- Zip pouch with desiccant: optimal conservation after opening
- Light and humidity proof aluminum pouch

### Just add water

- Ready-to-use bag with pre-dosed dehydrated media
- Complete dissolution during blending
- Non-woven filter identical to the bag filter

Available in BPW 90 mL and BPW 225 mL

PATENTS  
PENDING

SHELF LIFE  
12 MONTHS

STORAGE  
6°C to 30°C



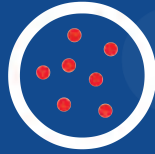
Founded in 1960, Condalab is Spain's first dehydrated culture media for microbiology and molecular biology manufacturer, as well as one of the world's leading ones. Condalab is also recognized for offering key ingredients such as agars, peptones and agaroses, among other products.

<i>R&amp;D</i>	<i>CLINICAL MICROBIOLOGY</i>	<i>MICROBIOLOGICAL QC IN THE INDUSTRY</i>	<i>MICROBIOLOGICAL INDUSTRIAL PRODUCTION</i>	<i>MOLECULAR BIOLOGY</i>
<ul style="list-style-type: none"> <li>• Peptones</li> <li>• Extracts</li> <li>• Agar</li> <li>• Agarose</li> <li>• DCM &amp; RTU Culture Media</li> <li>• Tailored Culture Media</li> </ul>	<ul style="list-style-type: none"> <li>• Antibiotic discs &amp; MIC</li> <li>• Culture media for antimicrobial resistance diagnosis</li> <li>• DCM &amp; RTU</li> <li>• Dyes for mycobacterial disease diagnosis</li> <li>• Transport culture media</li> </ul>	<ul style="list-style-type: none"> <li>• Enrichment culture media</li> <li>• Selective enrichment media</li> <li>• Culture media for selective isolation</li> <li>• Validated culture media</li> <li>• DCM &amp; RTU</li> <li>• Confirmation &amp; bacterial identification reagents</li> </ul>	<ul style="list-style-type: none"> <li>• Peptones</li> <li>• Extracts</li> <li>• Infusions</li> <li>• Carbohydrates</li> <li>• General culture media</li> </ul>	<ul style="list-style-type: none"> <li>• Broths and LB agars</li> <li>• Culture media for protein expression</li> <li>• Extracts and peptones</li> <li>• Agarose</li> <li>• Agarose staining</li> <li>• Antibiotic selection</li> </ul>
<ul style="list-style-type: none"> <li>• BSE/TSE Free</li> <li>• EDQM Suitability</li> <li>• GMO</li> <li>• Animal free</li> </ul>	<ul style="list-style-type: none"> <li>• CE Marking</li> <li>• IVD Devices</li> <li>• ISO 13485</li> </ul>	<ul style="list-style-type: none"> <li>• ISO</li> <li>• AOAC</li> <li>• BAM</li> <li>• USP</li> <li>• Eur. Pharma</li> </ul>	<ul style="list-style-type: none"> <li>• BSE/TSE Free</li> <li>• Certificates of origin</li> <li>• GMO</li> <li>• Animal Free</li> <li>• Allergens</li> </ul>	<ul style="list-style-type: none"> <li>• GQT Certified</li> </ul>

Our ability to listen and commitment to find optimal solutions allow us to be close to the clients. Our custom product department has the capacity to adapt more than 60 year of manufacturing culture media knowledge to offer customized solutions for each area.



# QC MICROORGANISMS





Microbiologics the leading provider of **ready-to-use QC microorganisms** for quality control testing in the **clinical, pharmaceutical, food, water and educational industries**. With over 900 strains available in a variety of user-friendly formats, we offer the largest and most diverse line of QC microorganisms including qualitative, quantitative, Certified Reference Material and Parasite Suspensions.

## I Kwik Stik

### Simple, Reliable Qualitative QC Microorganisms

- Over 900 strains available
- All-in-one design reduces the risk of contamination
- Ready-to-use format saves time and money
- Refrigerated storage is easy and economical
- Online Certificate of Analysis provides detailed strain information
- Traceability to reference cultures ensures authenticity
- Technical Support experts available for guidance
- Strains are three passages or fewer from the reference culture
- FDA listed and CE Marked as an In Vitro Diagnostic (IVD)



## I Kwik Stik plus

### Qualitative QC Microorganisms for Special Applications

- Ideal for special applications requiring strains that are fewer passages from the reference culture
- Two passages from the reference culture, allowing for more subcultures
- FDA listed and CE Marked as an In Vitro Diagnostic (IVD) Medical Device
- Convenient test-ready format saves time and money
- Refrigerated storage is easy and economical
- Online Certificate of Analysis provides detailed strain information
- Traceability to reference cultures ensures authenticity
- Technical Support experts available for guidance



## Lyfo Disk

Economical Qualitative QC Microorganisms for a Variety of Culture Purposes and QC Applications

- Over 900 strains available
- Easy to use – simply rehydrate the pellet and inoculate
- Convenient test ready format saves time and money
- Refrigerated storage is easy and economical
- Online Certificate of Analysis provides detailed strain information
- Traceability to reference cultures ensures authenticity
- Technical Support experts available for guidance
- Strains are three passages or fewer from the reference culture
- FDA listed and CE Marked as an In Vitro Diagnostic (IVD) Medical Device



**LYFO DISK™**

## Parasite Suspensions

Simple, Reliable QC Testing for Parasitology Diagnostic Kits and Methods

- Convenient, test-ready format saves time and money
- Designed to mimic a patient sample for simple control processing
- Includes a Certificate of Performance that provides a detailed description of the specimen
- Online Certificate of Analysis provides detailed strain information
- FDA listed and CE Marked as an In Vitro Diagnostic (IVD) Medical Device
- Convenient and economical room temperature storage and two year shelf life
- WARNING: Cancer and reproductive harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



**PARASITE  
SUSPENSIONS**

## QC Microbiology slides

Microbiology Slides for QC of Microscopic Examinations

- Convenient, test-ready format saves time and money
- Room temperature storage is easy and economical
- FDA listed and CE Marked as an In Vitro Diagnostic (IVD) Medical Device
- Online Certificate of Analysis provides detailed strain information
- Technical Support experts available for guidance



**QC MICROBIOLOGY  
SLIDES**



## Lab-Elite

### Qualitative QC Microorganisms Classified as Certified Reference Material to Meet ISO 17025 Requirements

- Qualitative QC microorganisms one passage from the reference strain for ultimate authenticity
- Compliant to section 6.5.2 of ISO 17025:2017
- FDA listed and CE Marked as an In Vitro Diagnostic (IVD) Medical Device
- Ready-to-use format saves time and money
- Refrigerated storage is easy and economical
- Online Certificate of Analysis provides detailed strain information
- Traceability to reference cultures ensures authenticity
- Technical Support experts available for guidance



**Lab-Elite™**  
CERTIFIED REFERENCE MATERIAL

## Epower Certified Reference Material

### Quantitative QC Microorganisms Classified as Certified Reference Material for ISO 17025 Accredited Laboratories

- Quantitative QC microorganisms one passage from the reference strains for ultimate authenticity
- Compliant to section 6.5.2 of ISO 17025:2017
- Available in concentrations ranging from 10<sup>2</sup> to 10<sup>8</sup> CFU per pellet
- Can be combined for a mixed microorganism population
- Easily manipulated to deliver desired CFU concentrations
- Ready-to-use format saves time and money
- Refrigerated storage is easy and economical
- Online Certificate of Analysis provides detailed strain information
- Traceability to reference cultures ensures authenticity
- Technical Support experts available for guidance



**epower™** 

## UV Biotag

### Qualitative Ready-to-Use QC Microorganisms with Green Fluorescent Protein Tags

- Fluoresces under UV light to distinguish QC strains from other possible contaminants
- Instant dissolve pellet reduces preparation time
- Refrigerated storage is easy and economical
- Online Certificate of Analysis provides detailed strain information
- Traceability to reference cultures ensures authenticity
- Technical Support experts available for guidance



**UV·BioTAG™**

## EZ Spore

Quantitative QC Microorganisms for Validation and Verification of Spoilage Detection Methods

- EZ-SPORE™ contains  $10^4$  CFU per pellet
- Ready-to-use format saves time and money
- Refrigerated storage is easy and economical
- Online Certificate of Analysis provides detailed strain information
- Traceability to reference cultures ensures authenticity
- Technical Support experts available for guidance
- Strains are three passages or fewer from the reference culture



**EZ-SPORE™**

## Epower

Extremely Versatile, Ready-to-Use Quantitative QC Microorganisms for Enumeration Methods

- Available in concentrations ranging from  $10^2$  to  $10^8$  CFU per pellet
- May be combined for a mixed microorganism population
- Easily manipulated to deliver a wide variety of concentrations
- Ready-to-use format saves time and money
- Refrigerated storage is easy and economical
- Online Certificate of Analysis provides detailed strain information
- Traceability to reference cultures ensures authenticity
- Technical Support experts available for guidance
- Strains are three passages or fewer from the reference culture



**epower™**

## EZ Pec

Ready-to-Use, Affordable Quantitative QC Microorganisms for Antimicrobial Effectiveness Testing

- Delivers  $1.0 \times 10^5$  to  $1.0 \times 10^6$  CFU per 1 ml of product tested
- Refrigerated storage is easy and economical
- Online Certificate of Analysis provides detailed strain information
- Traceability to reference cultures ensures authenticity
- Technical Support experts available for guidance
- Strains are three passages or fewer from the reference culture



**EZ-PEC™**

# The broadest collection of qc microorganism products for growth promotion testing

Choose from 4 unique products that meet your specific needs, designed to deliver 10-100 CFU as required by USP/Ph. EUR./J.P.



### EZ-Accu Shot™ Select

- 5 compendial strains plus E. Coli in one convenient kit
- 10 tests per vial
- 10 tests for each organism per kit
- Equilibrate to room temperature
- Use 1 pellet per suspension to obtain 10-100 CFU/0.1ml
- Quick-dissolve pellet, no pre-incubation
- No dilution step
- 8 hours stability



### EZ-Accu Shot™

- 27 licensed, traceable strains
- 10 tests per vial
- 50 tests per kit
- Equilibrate to room temperature
- Use 1 pellet per suspension to obtain 10-100 CFU/0.1ml
- Quick-dissolve pellet, no pre-incubation
- No dilution step
- 8 hours stability



### EZ-CFU™ One Step

- 31 licensed, traceable strains
- 19 tests per vial
- 190 tests per kit
- Pre-warm hydrating fluid 30 minutes
- Use 2 pellets per suspension to obtain 10-100 CFU/0.1ml
- Incubate suspension for 30 minutes before inoculation
- No dilution step
- 8 hours stability



### EZ-CFU™

- 30 licensed, traceable strains
- 90+ tests per vial
- 900+ tests per kit
- Pre-warm hydrating fluid 30 minutes
- Use 2 pellets per suspension to obtain 10-100 CFU/0.1ml
- Incubate suspension for 30 minutes before inoculation
- One log dilution required
- 30 minute stability

## Custom solutions

### Your strain, your format, your convenience.

Tracking and trending environmental microbial isolates is a growing concern for many manufacturing and production laboratories. In collaboration with NCIMB, the largest UK reference collection of microorganisms, Microbiologics offers a comprehensive program for environmental isolate management. Custom solutions include identification, characterization, preservation and manufacturing your own environmental isolate into a test-ready control format for ongoing QC.

#### Why Microbiologics Custom Solutions ?

- No more time spent on in-house identifications
- No more need for in-house storage infrastructure
- Increased storage security
- Significant overall cost reduction





# LAB AUTOMATION

# Automated sample preparation



## MIXWEL® Lab blender

### Extreme Compactness

The most compact blender on the market (30dm<sup>3</sup>)

Space optimization of your bench

Easily transportable



Stainless steel chamber (AISI 30 4)



### PATENTED pendular blending

Delivers up to 70kg pressure/paddle. Optimum homogenization!

### Vibration free

Extreme stability while blending

### Comfort of deanability

Quick removal of the door

Removable paddles

Waste tank integrated into the door

### Expert crush

28 to 70kg pressure per paddle



### Silent

<48 db



### Light

lightest of the market! 14kg



# DILUWEL®

## Gravimetric diluter



### Fast & accurate

225ml dispensed in 12 seconds  
(9 in turbo) with >99% accuracy!



### Compact and light

8kg – 50% more compact than competition models!



### Finger-stop nozzle

Avoids cross contamination during installation



### Safety cabinet use

**PATENTED** vertical weighing tray  
(3 points for higher stability and higher weighing accuracy)

Removable 1 to 4 pumps –  
Plug & play – Flexible –  
Free positioning = save space



### Watertight to spills

Perfect cleanability



Built-in bubble level and adjustable legs

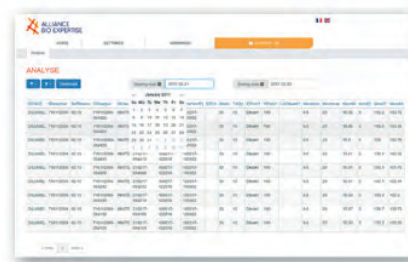


### performance

Fast & accurate dispensing	12 sec. for 225ml / (9 sec in turbo mode)
Dilution accuracy	> 99 %
Turbo mode	YES
Bubble level integrated	YES
Motorized dispensing nozzle	YES
Editable programs	20
Weighing range	1 g to 4000 g
Dilution factor	1.00 to 1/100.00



Open gate to all connections



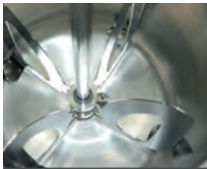
# MEDIAWEL®

## Media preparator

**Safety lid** (locked above 80°C)



Uphill & downhill –  
Filtration – Contamination  
prevention  
  
Double pressure  
monitoring



**Large stirrer**  
(wide viscosity range)



**Multicolour visual alarms**

**7" touch screen LCD**  
intuitive display



**Wifi live communication**

**Trapdoor** (easy cleaning of the bowl)

**Medical wheels**



2.5 to 30 liters



30 – 125°C +/- 0.5°C



60 – 90 mins

### Simplify



### Quality media

- Controlled temperature = perfect sterility & perfect fertility (T° precision: +/- 0,5°C)
- Continuous homogenization
- Large smooth stirrer (1807 cm²) for higher homogeneity. Slow stirring (9 ajustable speeds 20-110 rpm) to avoid bubbling
- Less handling = less contamination

### Traceability

- Temperature monitoring up to 3 points



# DISTRIWEL 440<sup>®</sup>

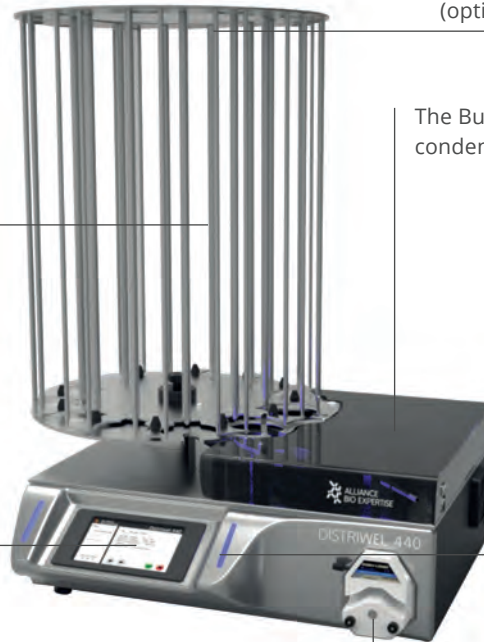
## Media pourer stacker



Ensure a flat poured media (bubble level integrated)



**Walkaway device**  
Up to 440 dishes filled in 30 mins



### Traceability

Print up to 25 characters (2 lines) on the Petri dish (optional laser printer)



The Built-in Peltier cooling effect reduces condensation and solidification time

### Aerobiocontamination prevention

Contamination prevention (UV lamp) while pouring + Plexiglas protection cover

### In-line blood addition option

### Multicolour visual alarms

7" touch screen intuitive display



Your culture media is accurately poured by a Masterflex<sup>™</sup> peristaltic pump

### Pack your ready to use dishes with the Minima



# DOSYWEL<sup>®</sup>

## Peristaltic pump



Up to 20 programs editable

- Volume (1 to 9999 ml)
- Number of doses (1 to 999)
- Time for interval (0,1 to 60,0 seconds)
- Pump speed (1 to 130% = 10 to 550 rpm)
- Diluent (batch, name, volume)
- Calibration mode (calibration starting the program, reminder each x sample)

Compact & light: 3,8 kg



# interscience

## DiluFlow®

### Gravimetric dilutors



	<i>Diluflow</i>	<i>Diluflow Pro</i>	<i>Diluflow Elite</i>
Ultra low profile	✓	✓	✓
DripTray	✓	✓	✓
Robotic arm	-	✓	✓
Jumbo kit option	-	✓	✓
Programmable	-	-	✓
Full traceability	-	-	✓
Up to 6 pumps	-	-	✓
Multi-Dispensing	-	-	✓

## BagMixer®

### Lab blenders



**MiniMix® 100**

5-80 mL – Sample up to 10 g



**BagMixer® 400**

50-400 mL – Sample up to 40 g



**JumboMix® 3500**

400-3500 mL – Sample up to 400 g

BagMixer® are highly efficient lab blenders for solid sample preparation. With a blender bag, they guarantee optimal microbiological extraction in less than 60 seconds and eliminate all risks of cross contamination.

More than 15.000 BagMixer® used daily!

- World best selling lab blender
- 11 models for most applications (from 5 mL to 3500 mL)
- 35 years experience
- Life-time service and spare parts
- 3 Year Guarantee



# FlexiPump®

## Peristaltic pump

### Designed for microbiologists

- Select from 3 dispensing modes:
  - Continuous
  - Dose (predetermined volume)
  - Multi-dose (predetermined volume, with an adjustable pause between each dose)
- 32 editable programs
- Rotating button for easy navigation



## Now dispensing is easy



### Easy dispensing

Improved dispensing control with the handy gun and the adjustable arm

### Culture media

E.g.: 9 mL in test tube

### Agar

E.g.: 18 mL in Petri dish

### Any liquid diluent

E.g.: 90 mL or 225 mL in bottle or blender bag



### Precise flow control

- Up to 1% precision
- Dispenses liquid from 50 µL to 99 L
- Contamination free: entire dispensing assembly is autoclavable together with bottle
- FlexiPump typical precision with 3.2 mm inner diameter tube:
  - 9 mL: 1.8%
  - 18 mL: 1%
  - 225 mL: 0.5%
- In compliance with ISO 6887-1 and ISO 7218 standards

### Maintenance free

- Heavy duty polycarbonate top shell and durable stainless steel
- High quality Watson Marlow™ pump heads

### User-friendly

- Compact: only 16 cm wide
- Improved dispensing control with the handy gun\* and electronic start button
- Smart magnetic handy gun\* holder for easy storage

### Easy calibration

Step-by-step instructions on screen

# easySpiral Dilute®

## Spiral plating

*A revolution in serial dilutions!*

### Compact

- 40 cm wide, can be used inside and outside a laminar flow
- Stainless steel housing

### High speed automation

- Fast rotating arm
- 1 disinfection, 5 dilutions and 1 plating in 134 sec.

### PATENTED

### High precision

- Glass syringe typical accuracy of 0.5 %
- No more pipet calibration

### Cleaning autonomy

2 fully autoclavable bottles  
(diluent & disinfectant) and connectors

### Easy serial dilution

- Choose your dilutions factor
- Do 10<sup>-5</sup> dilution or more automatically
- No more 9 mL tube preparation

### PATENTED

### Automatic disinfection

- Overflow technology cleaning system
- No cross contamination

### PATENTED

### One-touch plating

- Choose from 4 plating modes
- Plate on 55, 90 and 150 mm Petri dishes



# Colony counting

## Scan® 100

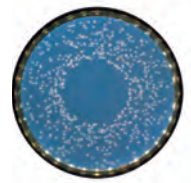
### Comfort and technology

Scan® 100 is a high-tech colony counter remarkable for its user-friendly functions and great ergonomics, which allow accurate colony counting on all media used in microbiology (Petri dishes, Petrifilm™, filtration membrane). A LED lighting system gives a contrasting and clear view of the colonies. The integrated USB port allows easy export of the results to the software of your choice (PC and Mac) to guarantee traceability of the results.



#### Adjustable white LED lighting

- Easy adjustment of the lighting with the "Lighting" button
- The operator has a clear vision with the indirect lighting
- LEDs: long-life, no heat production, no wearing parts

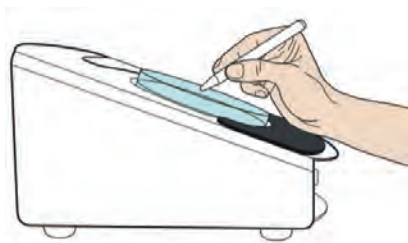


#### Adjustable touch surface

- Intuitive counting with the tactile pressure + beeping sound
- Adjustable sensitivity with the "Sensitivity" button



- Easy storage of the counting grids below device
- Data export via USB, LIMS, Excel™: time-saving, error-free results



#### Ergonomics

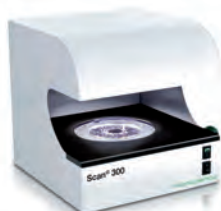
- Count with pen of your choice
- Ergonomic counting area
- Foam hand-rest



#### Colony counting on all media

- Petri dishes from 55 mm to 150 mm
- Petrifilm™
- Filtration membranes

# Scan®



## Scan® 300

### Essential

6 combinations of lighting and backgrounds

Motorized background color

Brightness, contrast and sensitivity are automatically optimized by the software

Long lasting LED lighting

CMOS color camera, zoom x28, M12 lens

Minimum size of detected colony: 0.1 mm



Surface / pour plating



Spiral plating



## Scan® 500

### Efficient

6 combinations of lighting and backgrounds

Motorized background color

Brightness, contrast and sensitivity are automatically optimized by the software

Long lasting LED lighting

CMOS color camera, zoom x28, M12 lens

Detects and counts up to 7 colors on the same dish

Minimum size of detected colony: 0.1 mm

Inhibition zone reading with EUCAST, CA-SFM, CLSI and editable database



Surface / pour plating



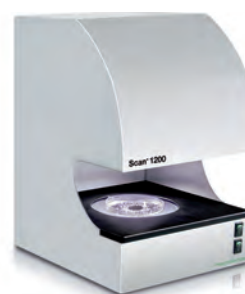
Spiral plating



Chromogenic Petri dishes



Antibiogram



## Scan® 1200

### High-Resolution

6 combinations of lighting and backgrounds

Motorized background color

Brightness, contrast and sensitivity are automatically optimized by the software

Long lasting LED lighting

HD color CCD camera, zoom x28, HD Japanese lens

Detects and counts up to 7 colors on the same dish

Inhibition zone reading with EUCAST, CA-SFM, CLSI and editable database

Minimum size of detected colony: 0.05 mm

Petrifilm™, Compact Dry™, NeoFilm™/ Sanita-kun™ and filtration membrane reading



Surface / pour plating



Spiral plating



Chromogenic Petri dishes



Antibiogram



Petrifilm™



Compact Dry™



NeoFilm™/ Sanita-kun™



Filtration membrane

# Spiral plating



## WHITLEY WASP TOUCH

*Eliminate serial dilutions*

The newest spiral plater, designed for the needs of modern microbiology laboratories. A fundamentally different plater, extremely simple to use and provides real cost savings and process improvements. Now it really is time to eliminate serial dilutions!



- Full Colour Touchscreen
- Automated Intelligent Monitoring Software (AIMS) automatically logs date, time, deposition, user name, number of plates produced
- Eliminate time, efforts and cost of serial dilutions
- One Touch Operation
- Flowsense - detects the movement of liquid through the Wasp Touch
- Sanitizing System - maintains sanitizing fluid and water levels automatically to ensure effective sanitizing
- Flexible Sample Collection - Sample can be drawn from a disposable beaker and from a wide range of tubes and bottles.
- Fully integrated vacuum waste system



# **ACCESSORIES AND CONSUMABLES**

# Blender bags



All our bags are approved for food contact, radiosterilized and compatible with all lab blenders. A red sticker is placed on every box as a mark of guarantee of gamma ray treatment. A certificate is included with each shipment.

<b>Product</b>	<b>Ref.</b>	<b>Max blending volume</b>	<b>Optimal blending volume</b>	<b>Filter porosity</b>	<b>Dimensions</b>	<b>Pack of</b>	<b>Box of</b>
<b>BagFilter® Lateral filter blender bag for fibrous samples</b>							
BagFilter® P 400	111 425	400 mL	50-300 mL	< 250 microns	190 x 300 mm	25	500
BagFilter® P 400 unmarked	111 000	400 mL	50-300 mL	< 250 microns	190 x 300 mm	25	500
BagFilter® S 400	112 425	400 mL	50-300 mL	< 250 microns	190 x 300 mm	25	500
BagFilter Pull-Up®	111 625	400 mL	50-300 mL	< 50 microns	190 x 300 mm	25	500
BagFilter® P 2000	111 200	2000 mL	400-1500 mL	< 250 microns	250 x 380 mm	25	400
BagFilter® P 3500	113 510	3750 mL	400-3750 mL	< 250 microns	380 x 600 mm	10	100
<b>BagPage® Full-page filter blender bag for pasty samples</b>							
BagPage® 100	121 025	100 mL	5-50 mL	280 microns	95 x 180 mm	25	500
BagPage® + 400	122 025	400 mL	50-300 mL	280 microns	190 x 300 mm	25	500
BagPage® + 400 unmarked	122 000	400 mL	50-300 mL	280 microns	190 x 300 mm	25	500
BagPage® F 400	122 325	400 mL	50-300 mL	63 microns	190 x 300 mm	25	500
BagPage® R 400	161 025	400 mL	50-300 mL	< 250 microns	190 x 300 mm	25	500
BagPage® U 400	122 225	400 mL	50-300 mL	280 microns	190 x 300 mm	25	500
BagPage® XR 400	122 425	400 mL	50-300 mL	280 microns	190 x 300 mm	25	400
BagPage® + 2000	122 200	2000 mL	400-1500 mL	280 microns	250 x 380 mm	25	250
BagPage® + 3500	123 010	3750 mL	400-3750 mL	280 microns	380 x 600 mm	10	100



Product	Ref.	Max blending volume	Optimal blending volume	Filter porosity	Dimensions	Pack of	Box of
<b>BagLight® Non-filter blender bag / PolySilk® standard</b>							
BagLight® PolySilk® 100	131 025	100 mL	5-50 mL	-	110 x 200 mm	25	500
BagLight® PolySilk® 400	132 025	400 mL	50-300 mL	-	175 x 300 mm	25	500
BagLight® PolySilk® 400	132 050	400 mL	50-300 mL	-	175 x 300 mm	50	500
BagLight® HD PolySilk® 400	132 325	400 mL	50-300 mL	-	175 x 300 mm	25	500
BagLight® Multilayer® 400	132 225	400 mL	50-300 mL	-	190 x 300 mm	25	500
BagLight® Multilayer® U 400	132 125	400 mL	50-300 mL	-	190 x 300 mm	25	500
BagLight® PolySilk® 2000	132 200	2000 mL	400-1500 mL	-	250 x 380 mm	25	500
BagLight® PolySilk® 3500	133 025	3750 mL	400-3750 mL	-	380 x 560 mm	25	250
<b>RollBag® Sampling and blender bag</b>							
RollBag® 1300	145 040	1300 mL	50-300 mL	-	175 x 290 mm	500	500

## NEW BagFilter Pipet & Roll

*Easy pipetting and quick closure*



**Quick sticker closure**  
Without any extra tool, simply close it with the built-in closure sticker.

**Easy pipetting access**  
During multiple pipettings for pathogens research, open and close the pipet access easily without opening the bag from the top

**Pathogens research**  
The low pipetting height is great for work under laminar flow cabinets and ideal with pipet cones for Pathogens research.

**Extra resistant closure**  
Get an extra-resistant closure with a flick of the wrist. Waterproof and resistant up to 5 kg pressure.

**Slide your bag**  
Use the BagRack Slide as a stand for your multiple pipetting and sample storage, for great ergonomic work.

**Quick & clean disposal**  
After work, waste disposal is much quicker and without any sample dripping.

# Bagtools

## I BagTools

A complete range of accessories for safe and efficient laboratory work. BagTools will help you organize, carry with care and store them with no risk of cross-contamination your samples before and after analyses.



### BagRack

Storage rack for bags



### PetriPile

Petri dish storage stack



### BagOpen

Bag opener/holder



### BagSeal



### BagPipet & BagTips

Fixed-volume Pipet & straw tips



### BagClip

Closing clip

# BIOLOGICAL AIRSAMPLING



### Mini Family

This air sampler is especially for customers who usually make few number of tests.



### Mono Family

This air sampler is for customers who make a large number of controls, in different environments (i.e. cleanroom), with a large staff rotation and that comply with the quality standards and QM/GMP.



### Airbio Family

The two aspirating heads give the possibility to reduce sampling time / operate with different cultures at the same time / monitor at rest, in operation, at the end of shift.



### Duo Family

The two aspirating heads give the possibility to reduce sampling time / operate with different cultures at the same time / monitor at rest, in operation, at the end of shift.



### Trio Family

The three aspirating heads give the possibility to reduce sampling time / operate with different cultures at the same time / monitor at rest, in operation, at the end of shift.



### Multistation

This Air sampler is for customers who make an average and high number of controls and that comply with the quality standards and QM GLP / GMP.



**Isolator Rabs**

This Air sampler is for customers who make an average and high number of controls and that comply with the quality standards and QM GLP / GMP.



**Gas System**

The TRIO.GAS SYSTEM microbial compressed air sampler is important to ensure that product contact air is contamination free within sterile or aseptic manufacturing facilities (i.e. cleanroom).



**Essential Items**

In order to work in the best operating conditions the instruments must be equipped with some essential components chosen from the various alternatives.



**TRIO.CPS**

TRIO.CPS is used to evaluate the correct cleaning of all flat surfaces in Cleanrooms, food and dairy production. It is particularly useful for staff training about cleaning procedures.



**Complements**

There are many different situations in which operators must perform the microbiological sampling work. For this reason, other instruments and tools are available to improve the performance of the samplers and facilitate the work of the staff.



**Accessories**

For operators working within cleanrooms is not always very easy. There are extreme conditions necessary to minimize the risk of contamination. For this reason a wide range of accessories is available, which favours the manual skills in the sampling phases.



**Transfer Data**

To complete the microbiological sampling cycle correctly, it is necessary to have a software operating system able to collect data respecting the rules to guarantee the activities performed. Data Integrity is important on the one hand for industries to ensure the safety, efficacy and quality of medicines, on the other hand for the regulatory authorities FDA in order to protect the healths.

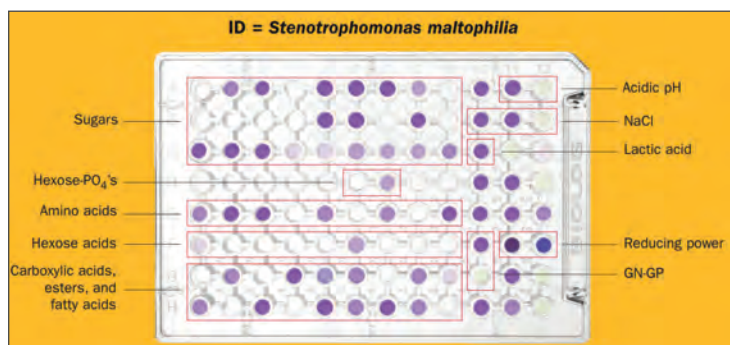
# MICROBIAL IDENTIFICATION AND PHENOTYPING



## I Microbial identification

**Rapidly and accurately identify over 2,900 species of aerobic and anaerobic Bacteria, Yeasts, and Fungi.**

Biolog's advanced phenotypic technology provides valuable information on the properties of strains, in addition to a species-level identification. Molecular methods such as 16s sequencing and MALDI-TOF provide no information about the properties of the strain. Biolog's carbon source utilization technology identifies environmental and pathogenic microorganisms by producing a characteristic pattern or "metabolic fingerprint" from discrete test reactions performed within a 96 well microplate. Culture suspensions are tested with a panel of pre-selected assays, then incubated, read and compared to our extensive databases.



**Getting the answers you need has never been easier**

- Simple one minute set-up procedure
- Gram stain and other pre-tests not needed
- Manual, semi-automated and automated solutions for any level of throughput

96 well MicroPlates incorporate a patented Redox tetrazolium dye that changes color as a result of cellular respiration providing a metabolic fingerprint.

Our complete solution includes instruments, consumables, databases, software.

Databases have been designed specifically to support the needs of environmental monitoring, QC microbiology, water and waste-water testing, agricultural and veterinary applications, and other non-clinical needs.

## Instrument offerings



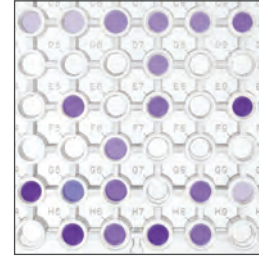
**OmniLog**

Fully automated high throughput aerobic identification



**MicroStation**

Semi-automated identification for bacteria, yeast, and filamentous fungi



**Manual**

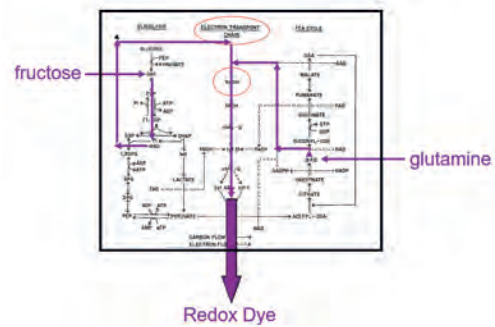
Designed for teaching and low volume application

## Phenotype microarrays for microbial cells

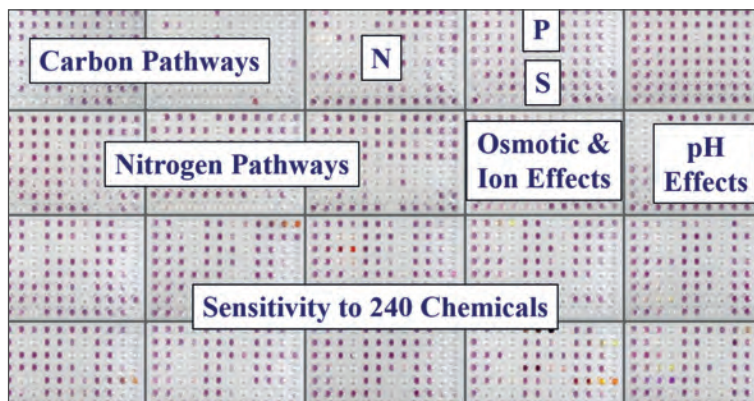
Phenotype MicroArray technology enables researchers to evaluate nearly 2000 phenotypes of a microbial cell in a single experiment. Through comprehensive and precise quantitation of phenotypes, researchers are able to obtain an unbiased perspective of the effect on cells of genetic differences, environmental change, and exposure to drugs and chemicals.

You can:

- Correlate genotypes with phenotypes
- Determine a cell's metabolic and chemical sensitivity properties
- Discover new targets for antimicrobial compounds
- Optimize cell lines and culture conditions in bioprocess development
- Characterize cell phenotypes for taxonomic or epidemiological studies



Phenotype MicroArrays are preconfigured 96 well plates containing different classes of chemical compounds designed to test for the presence or absence of specific cellular phenotypes. There are 10 panels designed to interrogate metabolic pathways along with ionic, osmotic and pH effects, and 10 panels to assess the sensitivity to various antimicrobials with different mechanisms of action.



## KINETIC DATA CAPTURE AND ANALYSIS

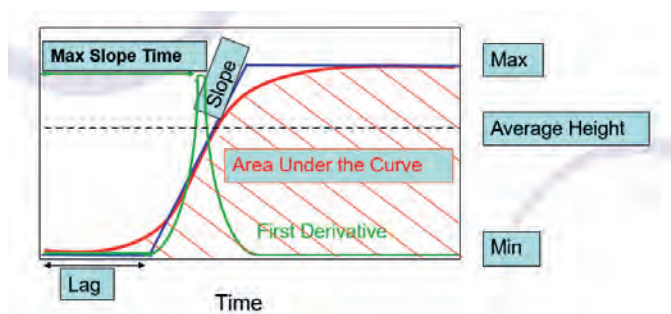
OmniLog PM software contains a suite of algorithms that work in conjunction with the OmniLog PM system and Phenotype MicroArray panels to automate incubation of up to fifty microplates at a fixed user-controlled temperature with complete collection of colorimetric assay data over time. These programs allow for display of kinetic data from PM panels recorded by the OmniLog PM system, manage and analyze the data, export it in a variety of raw and processed forms, and generate reports.

### Software Functions

- Drives the operation of the OmniLog PM system
- Guides loading and reading of plates or PM panels
- Creates a kinetic data file for each plate or PM panel for use in the other program modules

### File Management/Kinetic Analysis

- Assembles plate or PM panel data files into data lists
- Displays kinetic plots of the data
- Allows export of kinetic plots as bmp or jpeg files



Parameters calculated from Kinetic Plots by PM Software



Phenotype MicroArray Single Panel Comparison Display showing Cellular Responses for 96 Kinetic Assays

### Parametric Analysis

- Extracts data lists from the File Management /Kinetic Analysis module
- Calculates parameters from kinetic data
- Allows comparison of two data lists
- Highlights wells and generates a report on PM phenotypes that differ significantly in any selected kinetic analysis parameter
- Allows identification of substrates in all PM panels
- Links metabolic substrates in PM panels to KEGG database
- Export the original OmniLog kinetic data
- Export data parameters for statistical & bioinformatic analysis



# LAB EQUIPMENT



# Anaerobic and microaerobic workstations



## I Anaerobic and Microaerobic Workstations



- **Instant Access Ports**

The patented Whitley Instant Access Porthole System provides instant access to your samples. This sleeveless system uses eight times less gas when entering the workstation compared with a conventional porthole system.

- **Anaerobic Conditions Monitor**

An animated green icon confirms that suitable anaerobic conditions exist in the workstation. Yellow and red icons provide an early indication if conditions begin to vary.

- **Colour Touchscreen**

Operating requirements are configured and maintained by an intelligent, programmable logic controller in conjunction with an intuitive touchscreen interface.



- **Catalyst Monitoring System**  
Automatically testing your catalyst/atmosphere on a daily basis reduces the need for control plates.
- **Three Gas Operation**  
Unique to DWS, some of our anaerobic workstations can operate on separate cylinders of N<sub>2</sub>, H<sub>2</sub> and CO<sub>2</sub> to provide the most cost-effective anaerobic conditions (around 30% cheaper than a dual gas version).
- **Data Download/Traceability**  
Allows the recording of workstation temperature, humidity, chamber pressure and other parameters for traceability or reference.
- **Internal HEPA Filtration System**  
All the atmosphere in the chamber passes through the filter hundreds of times an hour. Exceeds the requirements stipulated by ISO 14644 Class 3.
- **Remote Access**  
Ethernet-enabled for remote access to the touchscreen panel.



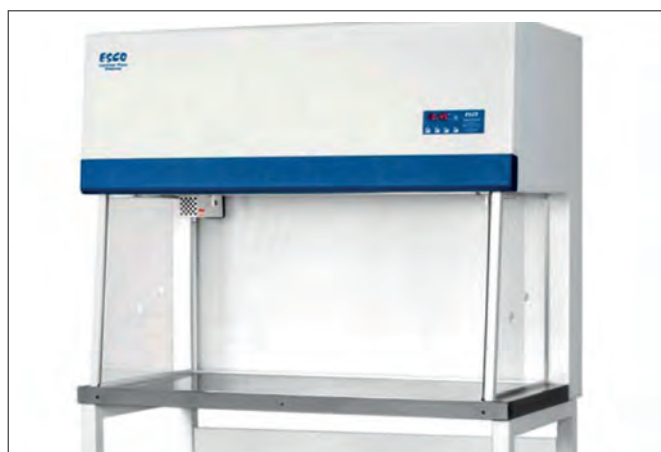
## I Jar Gassing System

For those laboratories still using jars, the Whitley Jar Gassing System reduces the cost of creating microaerobic conditions by 98% and anaerobic conditions by 89% compared to using gas packs. With the Whitley Jar Gassing System you can create perfect conditions for growing anaerobes in jars in just 2 minutes and for microaerophiles in 15 seconds.

- A full color touch screen control panel allows you to monitor, in real time, that the criteria necessary for the creation of either anaerobic or microaerobic conditions has been met.
- If you already have anaerobic jars that you wish to use you can order the adaptor kit, which will enable you to connect most types of jar.



# Biosafety cabinets



## Selection of a Biological Safety Cabinet

A BSC should be selected primarily in accordance with the type of protection needed: product protection; personnel protection against Risk Group 1 ~ 4 microorganisms; personnel protection against exposure to radionuclides and volatile toxic chemicals; or a combination of these. The table below shows which BSCs are recommended for each type of protection.

<b>Type of Protection</b>	<b>BSC Selection</b>
Personnel Protection, microorganisms in Risk Group 1-3	Class I, Class II, Class III
Personnel Protection, microorganisms in Risk Group 4, glove box laboratory	Class III
Personnel Protection, microorganisms in Risk Group 4, suit laboratory	Class I, Class II
Product Protection	Class II, Class III
Volatile radionuclide/ chemical protection, re-circulated back to work zone	Class II Type B1, Class II Type A2 vented to outside
Volatile radionuclide/ chemical protection, no re-circulated back to work zone	Class I, Class II Type B2, Class III vented to outside

## Is your Biological Safety Cabinet truly safe?

Many cabinets meet the minimum safety requirements of international standards like NSF/ANSI 49 and EN 12469, but does your biosafety cabinet have these extended safety features to further protect you from the cabinet's wear and tear and unexpected situations? Think safety. Choose a biosafety cabinet with enhanced safety features beyond international standard requirements.

**LABCONSULT** offers a complete range of Biological Safety Cabinets meeting EN12469 European Standard. We help you to select the right cabinet for the right purpose based on your specific quality and budget requirements.

# Laminar flow cabinets - PCR workstations

**EuroClone**  
serving science through innovation



**ESCO**



**bioSan**



Laminar flows provide an optimal solution for all your needs of a sterile working environment:

- Vertical Laminar FlowClean Benches
- Horizontal Laminar FlowClean Benches
- DNA/RNA UV-cleaner boxes - PCR workstations

**LABCONSULT** offers a complete range of Laminar flow cabinets providing an optimal solution for all your needs of a sterile working environment. We help you to select the right cabinet for the right purpose based on your specific quality and budget requirements.

# Fume hoods, safety cabinets and storage

**EuroCloné**  
serving science through innovation

**TRIONYX**  
1<sup>er</sup> FABRICANT FRANÇAIS

**ESCO**



Norms & Regulations to follow:

- EN 14470-1 and EN 14470-2 on our safety cabinets for flammables,
- FM & OSHA for the cabinets for industries,
- NF X 15-211 - may 2009 for our ductless fume hoods,
- EN 15154-1 & EN 15154-2 for our safety showers and eye-washers.

**LABCONSULT** helps you to determine the type of material that corresponds to your storage needs, handling and prevention of chemical products

## Laboratory autoclaves



### HG Series – Vertical autoclaves premium

Fulfilling highest demands regarding performance and comfort



- **Certified according to the Pressure Equipment Directive 2014/68/EU**
- **Available in 4 sizes** with 50, 80, 113, 133 liters of effective usable volume
- **Innovative locking system** with motorized lid including pressure and temperature monitoring
- **Steam generation** in the chamber
- **High energy efficiency and long service life**
- **Rapid cooling** for short cooling times
- Electrical, mechanical and constructional factors guarantee the **highest level of quality and user protection**

### HV Series – Vertical autoclaves classic

Tireless, durable and ingeniously simple



- **Certified according to the Pressure Equipment Directive 2014/68/EU**
- **Available in 4 sizes** with 25, 50, 85 and 110 liters of effective usable volume
- **Simple, reliable and with a long service life**, your perfect choice for standard tasks
- Optionally available with **flexible temperature sensor** for the sterilization of liquids
- Electrical, mechanical and constructional factors guarantee **the highest level of quality and user protection**

### Table-top autoclaves

Space saving and convenient



The sterilizers are divided into 3 groups, the series "N", "S" and "B". Which autoclave is suitable for your application should be determined during an individual consultation. Our product specialists are happy to assist you.

# Incubators, Ovens, Refrigerators, Freezers



## Quality-Reliability-Precision

Memmert is an innovation leader in the development of **heating and drying ovens, incubators, cooled incubators, CO<sub>2</sub>-incubators, climate chambers and water- and oilbaths** for a wide range of applications in biological, pharmaceutical and food research as well as industrial quality testing. All parameters are controlled with the utmost precision to ensure a perfect atmosphere in our temperature control appliances.

## Certified cleanroom-compliant equipment

The suitability of the universal oven UF1060 as well as the climate chamber HPP1060 for use in the cleanroom has been confirmed by the independent Fraunhofer IPA (Institute for Manufacturing Engineering and Automation). These instruments are therefore entitled to bear the certificate Fraunhofer TESTED DEVICE®.



## Medical Devices – Temperature control for the medical industry

It is the hard-lined commitment to quality that has made Memmert a reliable partner in the medical sector and medical research industry. They are DIN EN ISO 13 485 certified since many years. Memmert offers ovens, sterilizers, incubators, CO<sub>2</sub>-incubators and blanket warmers classified as medical device according to the medical device directive (93/42/EEC).

# GRAM

Biostorage you can depend on

## Biostorage on your terms : the Gram BioLine Range

- 125L to 1.400L cabinets
- -86°C to +20°C
- High performance and reliability
- Easy customization

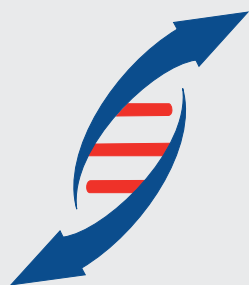


# ARCTIKO

true cooling specialists

## Arctiko biomedical freezers and refrigerators

- Wide temperature and volume range
- 7L to 1.400L cabinets
- -150°C to +10°C
- Advanced and customized solutions



**Labconsult** offers a very complete range of temperature control solutions from different manufacturers to offer the optimal solution for you. Based on your specific quality and budget requirements, we assist you in the selection of the right instrument for your needs.



# Laboratory water purification systems



Our **arium® laboratory-grade water purification systems** feature an inspiring, application-oriented design. They enable you to perform your workflows faster and more reliably, simplifying your daily lab work while ensuring cost-efficient operation over the long term.



## Ultrapure Water Systems Type 1

arium® mini and arium® pro series offer a wide selection of modular-designed systems for producing Type 1 ultrapure water for mission-critical applications.



## Pure Water Systems Type 2

The arium® advance EDI provides Type 2 water in consistently high quality for supplying lab instruments with feed water and for preparing buffers and media to be used in non-critical applications.



## Pure Water Systems Type 3

The arium® advance RO delivers consistently high-quality Type 3 pure water for standard laboratory applications, such as feed water for lab instruments or water for preparation of non-critical buffers and solutions

## Combined Systems – Type 1 Combined with Type 2 or Type 3

### All in one: space-saving, innovative technology!

The **arium® mini plus** and the **arium® comfort systems** are the highlights of the **Sartorius lab water family**. These systems provide you with both **pure and ultrapure water** directly from the tap. Intermediately stored in the unique, disposable **arium® Bag** in its **bagtank system**, pure water is safely stored for immediate use or for further purification as Type 1 water.



## bagtank Technology – a Revolution in Lab Water Purification

### Innovative pure water storage

The innovative bagtank reliably stores Type 2 or Type 3 water produced by arium® comfort, in 20-, 50- or 100-liter disposable arium® Bags that are easy to exchange.

# Laboratory washers



Many cleaning solutions for each type of dirt

The laboratory environment is different and complex, for this reason Smeg developed a wide range of glassware washers and accessories that meet all requirements.



## AUSILAB™ - for laboratory glassware washers

- AUSILAB™ 210 Alkaline powder detergent
- AUSILAB™ 250 Neutralizing liquid acid
- AUSILAB™ 280 Alkaline liquid detergent
- AUSILAB™ 290 Alkaline liquid detergent according to the ECOCERT standard.
- AUSILAB™ 260 Regenerating salt > 98% NaCl.



## Bench top lab equipment



Medical-Biological  
Research & Technologies



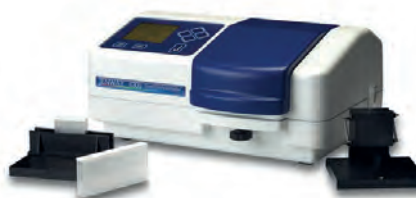
### Rockers – Shakers – Rotators – Rollers – Stirrers



### Waterbaths – thermoregulators



### Spectrophotometers



Vortexes



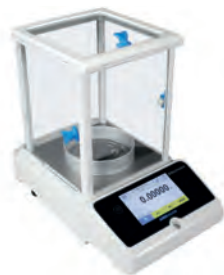
Washers - Aspirators



Liquid handling



Balances



pH & conductivity meters



Block heaters - heating mantles - hotplates



### Thermal cyclers – PCR Instruments



### Homogenizers

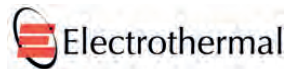


### Centrifuges



...and much more!

# PREMIUM BRANDS







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A DEDICATED TEAM OF PROFESSIONALS IS AT YOUR SERVICE  
TO HELP YOU FIND THE RIGHT PRODUCT

[info@labconsult.be](mailto:info@labconsult.be)

+32 (0)2 743 39 90



WHERE TO FIND US?

Registered office: Avenue Louis Bertrand 126, 1030 Brussels, Belgium

Warehouse: Kleimoer 12, 9030 Mariakerke (Gent), Belgium

