

SOLUTIONS FOR MICROBIOLOGICAL TESTING

Through ISO-compliant dehydrated media, high-quality supplements, Petrifilm® and other items engineered for consistency, compliance, and precision, Lasec® ensures laboratories have the tools needed to achieve reliable results across various microbiological applications.

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SAMPLE COLLECTION

CLASSIQSwabs™

- Dry Rayon-wrapped swab
- Sterile fibre ensures high-quality and contamination-free use
- Convenient plastic applicator in a dry tube for safe storage and transport



Copan Liquid Amies Elution Swab (eSwab®)

Streamline specimen collection and transport with the versatile eSwab® system, designed to preserve sample viability for bacterial cultures, nucleic acids, and viral or bacterial antigens.

- Cost-efficient: replaces multiple collection devices
- Available in various fill volumes, tube sizes, and swab combinations
- Compatible with automation for enhanced efficiency
- Capture cap ensures easy and secure tube handling
- Suitable for diverse collection and transport applications

Copan LBM® THIOIOL Broth

A ready-to-use enrichment medium designed to support the growth of anaerobic, obligate anaerobic, and facultative aerobic microorganisms from clinical samples.

- Universal enrichment broth for diverse applications
- Requires no additional preparation, saving time and effort
- Enriched with growth supplements to promote microbial development



For more information, please contact your Lasec® Sales Representative

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Copan Swab Rinse Kit (SRK®)

A dependable solution for detecting environmental microbial contamination, ideal for routine surface monitoring across diverse settings.



- Provides effective sample collection from various surfaces
- Ensures sample preservation with isotonic solutions or enrichment broths like Letheen
- Screw cap design minimises contamination and spillage during transport
- Simplifies testing by offering pre-submerged samples in a ready-to-use diluent

Filtration Manifolds

- Full package filtration systems available
- 1, 3, and 6 place manifold options
- Stainless steel or glass funnel options in various volumes
- Various column options to meet any filtration requirement



SAMPLE COLLECTION AND MEDIA PREPARATION

Autoclaves

Engineered for efficient and dependable sterilisation, meeting the highest pressure equipment directives and standards for laboratory use.

- Available in benchtop and floor-standing models to suit your space
- User-friendly control panel with preset or customisable sterilisation cycles
- Delivers consistent performance across diverse laboratory applications



Autoclave Tape

Self-adhesive sterilisation indicator tape features heat-sensitive chemical indicators that change colour when exposed to the appropriate temperature and pressure, confirming that the sterilisation process has been completed.

- 25 mm X 50 m roll
- 12 mm X 50 m roll

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Sterilisation Monitoring

Ensure effective sterilisation with reliable monitoring tools.

- Provides visual or scientific confirmation of sterilisation success
- Prevents contamination while ensuring regulatory compliance
- Options range from indicator strips and integrators to biological and chemical indicators



Precision Balance

Ensures intuitive operation with a clear menu and practical display layout, providing optimal ergonomics for daily laboratory weighing tasks. A variety of interfaces allow flexible communication options.

- Data integrity for reliable results
- User management for controlled access
- Formulation capabilities for accurate sample preparation
- Report exporting for streamlined documentation

Weighing Boats

- Disposable
- Different shapes and sizes available to accommodate all sample types



Cryopreservation Beads

- Long-term storage of micro-organisms at low temperatures
- 80 tubes per box with, 20 each of green, blue, red and yellow caps to aid categorisation
- 20 ceramic beads covered in a cryopreservative solution per tube

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DILUWEL UP!

A fast, robust, and accurate gravimetric dilutor that delivers the correct amount of diluent in just seconds.

- Dilutes solid samples with precise accuracy (>99 %) in seconds
- Patented vertical weighing system for greater stability and accuracy
- Adjustable feet and integrated spirit level for optimal performance
- Lightweight (6.9 kg) and easy to move around the lab
- Durable stainless-steel construction for easy cleaning
- Can accommodate up to 4 pumps for additional capacity



Media Bottles

- Clear or amber options available
- Made from borosilicate 3.3 glass
- Includes a GL45 pouring ring and blue screw cap



Inoculating Loops, Needles & Spreaders

- Sterile
- 1 µl or 10 µl
- Plastic



Media Preparators

Optimise your media production with automatic media preparators, designed to deliver precise, sterile, and consistent results for every batch. These versatile instruments support capacities from 1 - 50 l, ensuring reliable productivity and traceability across all formulations.

- Ensures sterile media preparation for dependable performance
- Precise temperature control with $\pm 0.5^{\circ}\text{C}$ accuracy inside the medium
- Continuous stirring for preparation and dispensing
- Multifunctional: steriliser, homogeniser, water bath, and traceability in one unit



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Petri Dishes

- Stackable dishes
- Available in sterile and non-sterile options
- Vents for improved gas exchange
- Made from crystal polystyrene for optimal clarity



Petri Dish Filler

Streamline plate preparation with this automatic filling and stacking machine, capable of producing up to 440 plates in just 30 minutes. Designed for precision and reliability, it delivers consistent results every time.

- Integrated peristaltic pump guarantees accurate medium dispensing
- Built-in Peltier cooler prevents condensation and accelerates solidification
- Reduces contamination risks by limiting manual handling

Polywel 3D

- A high-performance system for filling tubes and bottles with precision and efficiency, ideal for high - throughput microbiology workflows
- High capacity: Fills up to 1000 tubes per hour
- Versatile configurations: Supports 8 racks of 120 tubes or 4 racks of 250 tubes
- Precision dispensing: Accuracy from 5 ml with ± 0.159 ml tolerance
- Adaptable nozzle options: Supports various tube sizes (1 mm, 3 mm, 6 mm)
- User-friendly design: Autoclavable racks and easy-to-clean stainless steel surfaces
- Full traceability: USB, ticket printer, and LIMS-compatible



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Peristaltic Pumps

This multifunctional, compact peristaltic pump provides a quick and accurate way of filling vessels with liquids. It can fill 9 ml in just one second; 18 ml in 3 seconds and, a total of 225 ml in 10 seconds, all with an accuracy of ± 0.6 ml.

- Manual, automatic or footswitch distribution
- Adjustable volumes between 0.1 ml to 9999 ml
- 20 customisable pre-installed programs

Homogenisers – Lab Blenders

Our range of laboratory bag blenders allows for easy and effective processing of multiple food samples, without the risk of cross-contamination.

- Offering a volume sample range from 250 μ l to 4500 ml
- Highly durable and reliable, blending solid or liquid samples with ease
- Programmable process times and paddle speeds to assist with all microbiology methods' homogenising requirements
- Digital control panel for quick and easy adjustments
- Easy-to-clean and sterilise
- Designed for continuous use to assist with high-volume testing



MIXWEL UP!

- A powerful, silent, and efficient lab blender designed for optimal sample homogenisation, offering superior blending performance with a pendular mixing system
- Adjustable paddles: Adapts to different sample types
- Pendular blending system: Ensures efficient and standardised mixing
- Ergonomic design: Lightweight (14 kg) with compact footprint
- Silent and vibration-free operation: ensures a smooth user experience
- User-friendly interface: Intuitive controls for easy operation
- Full traceability: Data export via USB and LIMS integration

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MEDIA

Traditional Microbiological Media

Neogen™ media and supplements are trusted for reliable bacterial culturing.

- 300 media, diluent, broth & supplements available
- Selection of media covers all organisms
- Available in various pack sizes: 500 g, 5 kg, 10 kg and 25 kg
- Compliance with global reference methods and standards across multiple industries



Sample-Ready Petrifilm®

Streamline your microbiological testing with Petrifilm® Plates. These ready-to-use solutions enhance efficiency by eliminating the need for traditional agar preparation, saving time and resources in your laboratory.

- Prepared plates with nutrients and indicators for precise culturing
- AOAC / AFNOR validated for trusted performance

INCUBATION

AnaeroJar™ 2.5 ° Jar

A dependable solution for detecting environmental microbial contamination, ideal for routine surface monitoring across diverse settings.

- Lid secured to base by four self-venting clips
- Jar holds up to 12 plates



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AnaeroGen™ 2.5 l Sachet

Anaerobic gas generating sachets for use with 2.5 l Anaerojar™. When placed in a sealed jar the sachet rapidly absorbs atmospheric oxygen while generating carbon dioxide. No Catalyst is required. When used correctly, it reduces oxygen levels to below 1% within 30 minutes with carbon dioxide levels reaching 9 – 13%.

Incubators

The Memmert incubators are perfect for all microbiological applications.

- Compressor and Peltier-cooled options for versatile storage
- Programmable heating and cooling ensure uninterrupted analysis
- Available in natural convection or forced air circulation models
- TwinDisplay (PLUS) models feature software for ramping program setups
- Uniform heat distribution through all-round heating, even without a fan



Whitley A20 Anaerobic Workstation

Compact and efficient, this superior alternative to anaerobic jars maintains optimal conditions for processing, incubation, and examination of samples without oxygen exposure while minimising gas usage.

- Space-saving design conserves bench space without compromising performance
- Intuitive touch-screen control panel for easy operation and real-time parameter display (temperature, humidity, etc.)
- Economical with low gas consumption, operating on anaerobic mixed gas and nitrogen
- Automatic commissioning cycle streamlines workflows and conserves resources
- Optional features include integrated anaerobic condition monitoring, catalyst tracking, and data download capability

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ANALYSIS

Neogen® Petrifilm® Plate Reader Advanced

A compact instrument that automates the enumeration of 11 different Petrifilm® Plates, enhancing laboratory productivity and ensuring accurate, consistent readings. The 3M™ Petrifilm® Plate Manager Software is included for efficient data analysis.

- Interprets Petrifilm and gives a result within 6 seconds
- Artificial intelligence continuously learns to produce accurate results
- LIMS software compatible



Stuart CC-200 Digital Colony Counter

An automated solution for streamlined colony counting, ideal for food microbiologists working with Petri dishes.



- 1 7x magnifying lens for enhanced visibility during counting
- Detects colonies effortlessly with a simple felt pen activation
- Compatible with 50 to 90 mm Petri dishes for versatile use
- Features adjustable pressure sensitivity and audible feedback for precise results
- Equipped with energy-saving LED illumination and an antimicrobial coating for added reliability

Synbiosis Automated Colony Counter

Designed to meet the demands of high- and low-volume food laboratories, this automated system ensures accurate and efficient colony counting.

- Handles Total Plate Counts and chromogenic media with ease
- Versatile for gridded filter paper, water samples, pour plates, spiral plates, and streak plates
- Supports species identification and accommodates large plates (up to 150 mm)
- Compatible with dilution series plates, enhancing flexibility for diverse testing requirements



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CAPE TOWN

52 Old Mill Road
Ndabeni
Cape Town
7405

+27 21 531 7504

JOHANNESBURG

48 Gazelle Crescent
Gazelle Place
Corporate Park South
Randjiespark
Midrand
1685

+27 11 052 2500

DURBAN

Unit 3, Windsor
Court, Ground Floor
AFS House, 4 Derby
Place, Derby Downs
Westville
3629

+27 31 702 6001

PORT ELIZABETH

Unit 5 1, Building 3
Ascot Office Park
Block 7
Conyngham Street
Greenacres
6001

+27 41 373 9173

BLOEMFONTEIN

53 President Steyn
Avenue
Westdene
Bloemfontein
9301

+27 51 447 9500

PLEASE DIRECT ALL ENQUIRIES FROM OUTSIDE SOUTH AFRICA TO:



52 Old Mill Road, Ndabeni, 7405, Cape Town PO Box 2110, Cape Town, 8000

 www.lasec.com

 +27 21 531 7504

 sales@lasec.com

 international@lasec.com