

Validation Monitoring & Verification Tests 2023





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Delivery Charges

All Kersia's analytical equipment and consumables have been specifically selected for quality, reliability and are offered at very competitive prices.

Delivery charges to GB & Northern Ireland:

Up to £100 = £9.95

£100.01 - £500 = £19.95

Over £500 = Free

Delivery charges to Republic of Ireland:

Up to €1,000 = €54.95

Over €1,000 = Free

Prices are correct at the time of publication, although please visit our website for the latest prices, products and additional product information at:

www.holchem.co.uk/shop/test-kits-and-inspection-equipment/

The website contains many more products than are shown in this brochure

How To Order

Phone: 01706 238520

Email: engineeringsales@kersia-group.com

Web: www.holchem.co.uk/shop/test-kits-and-inspection-equipment/

For full terms and conditions please visit the holchem website

Foreword

At Kersia we deliver innovative and effective hygiene solutions for our customers, providing industry leading technology and systems which reflect customer need, regulatory and sustainability drivers.

One of Kersia's aims is to ensure our customers are provided with effective and reliable test kits and equipment for the validation, verification and ongoing monitoring of cleaning and hygiene tasks, to ensure acceptable levels of performance are achieved. The choice of test will depend on the hazard that is being controlled (microbiological, physical, chemical) and the level of sensitivity required.

Hygiene tasks required to control microbiological, physical, chemical and allergenic hazards require validation to demonstrate that they are fit for purpose; indeed, this is a requirement of many retailer and industry audit standards. Such controls also need frequent monitoring and verification to demonstrate their ongoing effectiveness. In addition, other hygiene tasks such as cleaning to control the cross-contamination of food materials between product runs, or hand hygiene procedures, require more routine monitoring and verification, often to a less sensitive level.

Kersia are pleased to offer a wide range of simple, easy to use, robust testing kits and equipment suitable for different applications within our 360° customer service policy.

The products offered in the catalogue can be used for the validation, verification and ongoing monitoring of most aspects of cleaning and hygiene within most food and drink manufacturing sites as well as within food service and facility sites, including:

- Open plant cleaning, cleaning in place (CIP) and automated washing machines
- Chemical concentration checks
- Hand hygiene monitoring
- Air quality monitoring

Further guidance on the environmental sampling of food production areas, allergen management, hand hygiene and the validation of cleaning and disinfection programmes can be obtained from holchem.co.uk

For further information on the equipment and consumables within the catalogue please contact your local Technical Sales Consultant or visit our website.



Visual Assessment Devices



UV Monitoring Tools



UV 5W Torch



UV Blocking Spectacles



41 LED UV Torch

Description: The UV 5W is a pocket size UV fluorescent inspection torch.

Recommended for: The compact UV-5W is a highly rugged pocket torch ideal for hygiene inspections and cleaning validation for quick any-time inspections. Can be used in conjunction with the Blue UV Glow Wax (TEST0089), the UV Glitterbug Lotion (TEST0111), the Glow & Show lotion (TEST0200), the Glow & Show powder (TEST0201) and the Glitterbug gel (TEST0206) for hand wash training and also the UV Shadow Spray (TEST0196) for identifying poor cleaning issues inside vessels and pipework.

It uses the latest in lithium ion battery and ultraviolet LED technology to produce high quality UV Light at a peak wavelength of 370nm.

Features:

- High UV-A light intensity
- Narrow beam spread, long throw
- Re-chargeable battery operation
- 370nm peak output – Nichia LED
- Instant UV light output
- Waterproof, lightweight and durable
- Includes wrist strap, pouch, charger and in-car charger adaptor & 2 x Li-ion batteries (the torch requires only one battery at a time so there is a spare).
- Battery charger requires 100 – 240 V AC / 50 – 60 Hz

Item	Order Code	Quantity
UV 5W Torch	TEST0055	1
UV Blocking Spectacles	TEST0056	1

41 LED UV Torch

Description: A handheld UV light source for hygiene inspections and cleaning validation for quick any-time inspections.

Recommended for: Can be used in conjunction with the Blue UV Glow Wax (TEST0089), the UV Glitterbug Lotion (TEST0111), the Glow & Show lotion (TEST0200), the Glow & Show powder (TEST0201) and the Glitterbug gel (TEST0206) for

hand wash training and also the UV Shadow Spray (TEST0196) for identifying poor cleaning issues inside vessels and pipework.

The handheld UV light source consists of an array of 41 high output UV LED's. Unlike other handheld UV light sources, it can be used in ambient light, metres away from the subject matter you are illuminating.

Item	Order Code	Quantity
41 LED UV Torch	TEST0195	1

Glow and Show Applicator Brush

Description: A brush used for applying Glow & Show Powder for cross contamination training purposes.

Recommended for: The brush is to be used for dusting Glow & Show powder (TEST0201) on to surfaces to demonstrate how easily the powder (simulated germs) can be spread from person to person.

Item	Order Code	Quantity
Glow & Show Applicator Brush	TEST0198	1

Glow and Show Torch & UV Goggles

Description: UV torch and protective goggles for visual inspections.

Recommended for: The handheld UV light source consists of an array of 41 high output UV LEDs, which, unlike other handheld UV light sources, it can be used in ambient light, meters away from the subject matter that you are illuminating. The torch can be used in conjunction with the Blue UV Glow Wax (TEST0089), the UV Glitterbug Lotion (TEST0111), the Glow & Show lotion (TEST0200) and the Glow & Show powder (TEST0201).

*It is advised that the demonstrator wears goggles when using the Handheld UV light source. Do not stare directly in to the UV light source.

Item	Order Code	Quantity
Glow & Show Torch & UV Goggles	TEST0197	1

Glow & Show UV Lotion (50ml)

Description: UV fluorescing lotion.

Recommended for: The Glow & Show lotion is used to demonstrate the cross contamination of germs or to represent surface contamination with a portable UV torch (TEST0195 or TEST0055).

Item	Order Code	Quantity
Glow & Show UV Lotion	TEST0200	1

Glow & Show UV Powder (57g)

Description: UV fluorescing powder.

Recommended for: The Glow & Show UV powder is used to see how contamination and germs can travel. Perfect for training purposes as a valuable tool for teaching proper hand-hygiene techniques.

Simply dust the powder on to a sheet of paper and hand it round the room. A check with a UV torch (TEST0195 or TEST0055) and you can demonstrate how easily the powder (or germs) can be spread from person to person. Alternatively, spread the powder on to a work surface or on to door handles and follow the potential cross contamination trail.

Item	Order Code	Quantity
Glow & Show UV Powder	TEST0201	1



LED Torches

450 Lumens Powerful LED Torch

Description: 450 Lumens Powerful LED torch to aid visual inspections.

Recommended for: The Lenser P7 professional torch has a 450-lumen lighting power and a range of 300m, ideal for visual hygiene inspections.

This torch features the patented Advanced Focus System (AFS) that uniquely combines lens and reflector to deliver a wide superior homogenous flood beam for close-up visibility, together with a sharply focused spot beam for long distance visibility. To make the best use of the AFS, it incorporates Speed Focus, which allows quick single-handed focusing from flood to spot beam. The lens is reconfigured to increase beam angle. This torch incorporates a Dynamic Switch™ on the end cap allowing three levels of brightness (power, low power and boost). This tactical style switch is larger, more responsive and easier to use with gloves. It is smartly finished with a new matt black finish over aircraft-grade aluminium which improves grip.

Supplied with:

- Belt pouch, wrist-strap and 4 x AAA Duracell® batteries.
- Ledlenser® (Ledlenser, the world's leading brand of technologically advanced lighting products with patented reflector systems and high-quality components for bright and energy-efficient lights. Ledlenser has applied its expertise to handheld lights for use where a convenient and powerful light source is required).

Features and Benefits:

- Energy efficient power and LED light chip
- Recalibrated lens for a wider light beam angle
- Robust, yet lightweight aircraft-grade aluminium housing with new matt finish
- User-friendly modular design
- Corrosion-resistant gold-plated contacts for better conductivity
- Run time is up to 25 hours at low power
- 4 x AAA Alkaline NiMH 1.2V battery
- Weight is 175g

Certifications

- IP54 rated
- CREE certified



450 Lumens Powerful LED Torch

Item	Order Code	Quantity
450 Lumens Powerful LED torch	TEST0211	1

Rechargeable 430 Lumens CREE-LED Torch

Description: 430 Lumens Powerful LED rechargeable torch with 215 metre range to aid visual inspections.

Recommended for: The rechargeable torch has a 430-lumen lighting power, ideal for visual hygiene inspections.

Features and Benefits:

- Mode selector for fast selection of the desired function - 100%, 70%, 40%, 10% beams
- Infinitely focus from laminary light nearby to high beam focused light
- Integrated lithion ion battery 3.7V/2.0 Ah with charging indicator
- Durable aluminum housing with wrist strap
- USB charging cable included



Item	Order Code	Quantity
430 Lumens Rechargeable LED torch	TEST0235	1

LED 200 Lumens Head Torch

Description: 200 Lumen LED head torch to aid visual inspections.

Recommended for: The 200 lumen Cree LED headtorch with spot beam and red flood functionality is ideal for allowing hygiene staff and auditors to illuminate areas requiring cleaning and inspection. This headtorch features a 70° wider lighting angle, adjustable headband and dimming functionality.

Features Include:

- 200 Lumens white cree LED
- 2 x Red LEDs for night vision
- Easy-press micro switch
- Adjustable headband

Item	Order Code	Quantity
200 Lumen LED head torch	TEST0207	1



LED 200 Lumens Head Torch

Traditional Microbiological Sampling Devices



Swabs & Sponges

10ml Hygiene Swab with Neutralising Buffer

Description: 10ml neutralising buffer in tube, polystyrene shaft with viscose tip swab in peel pouch.

Recommended for: A convenient all in one sampling kit for hygiene and environmental monitoring of equipment or surfaces where traces of disinfectants are possibly present.

Neutralising fluid will eliminate any traces of sanitisers or disinfectants remaining on the sample area, allowing confident and accurate enumeration of bioburden. Maintains cell numbers for exact enumeration of microorganisms recovered from surfaces and equipment.

White flexible viscose swab for hard to reach areas, still supplies maximum recovery without any inhibition.

Supplied in accurate 10ml volumes (conforms to recommended standards) allowing larger sample to be analysed.

Neutralises - Kersia Peroxides and derivatives, Phenols, Quaternary Ammonium Compounds, Amphoterics, Chlorines and Associated Halogens.



Pack size: 100 swabs
Shelf life: 2 years at room or refrigerated temp (2 – 25 °C)

Item	Order Code	Quantity
Hygiene Swab with Neutralising Buffer	TEST0212	Box of 100

30cm Jumbo Blue Foam Swab with Polypropylene (flexible) Shaft, in Tube

Description: Jumbo blue foam swab with polypropylene (flexible) shaft, in tube.

Recommended for: Tricky or hard to reach sampling due to flexible durable shaft, ideal for sampling large areas. and down small pipes or curved drains. Ideal for swabbing pipes after CIP.

If sampling a surface following disinfectant application a neutralising buffer will be required.



Pack size: 100 swabs
Shelf life: 2 years at room or refrigerated temp (2 – 25 °C)

Item	Order Code	Quantity
30cm Jumbo Blue Foam Swab	TEST0060	Box of 100

10 x 10cm² Sterile Plastic Swabbing Template

Description: 10 x 10cm² sterile plastic swabbing template. Incorporates a press plate for easy sampling.

Pack size: 40 templates

Shelf life: 2 years at room or refrigerated temp (2 – 25 °C)

Recommended for: Use with hygiene swabs and sponges. Ideal as a training aid for accurate and consistent surface sampling to conform to recognised standards. The templates should be disposed of after an area has been sampled.

Item	Order Code	Quantity
10 x 10cm ² Sterile Plastic Swabbing Template	TEST0061	Box of 40



Hygiene Sponge Sampling Kits Dosed with Neutralising Buffer

Description: Blue sampling sponge in an easy to open stomacher pouch dosed with neutralising buffer.

Pack size: 200 sponges

Shelf life: 12 months at room or refrigerated temp (2 – 25 °C)

Recommended for: Environmental and hygiene monitoring where chemical residue neutralisation is desired. They are ideal for surface sampling large areas for hygiene monitoring and control programs e.g. pathogen environmental sample plans. The sterile sample bag eliminates the need to use sterile gloves handling the sponge.

Item	Order Code	Quantity
Hygiene Sponge Sampling Kits Dosed with Neutralising Buffer	TEST0062	Box of 200



Microbiological Sampling Media

Dipslides

Description: Microbiological dipslides for simple surface contamination assessments.

Recommended for: Environmental surface microbiological monitoring.

Dipslides have a large, flexible plastic paddle and are contained within a strong shatterproof, transparent tube.

Rose Bengal agar dipslides are for yeast and mould contamination detection on surfaces.

A dual sided dipslide to allow multiple contamination testing with one test is also available, containing plate count and VRBG agar for TVC and Enterobacteriaceae surface contamination detection.

Dipslides require incubation (TEST0227 20 litre mini digital incubator).

Plated Media

Description: High quality bespoke formulations of ready to use plated culture media.

Recommended for: For use with the MicroBio MB1 air sampler. (TEST0064)

Dichloran Rose Bengal Chloramphenicol Agar (DRBCA) are for yeast and mould contamination detection within the air.

Nutrient Agar is a non-selective media for total microbiological contamination detection within the air.

Plated media will require incubation (TEST0227 20 litre mini digital incubator).

Item	Order Code	Quantity
Rose Bengal Agar Dip Slide	TEST0225	Box of 10
Plate Count & VRBG Agar Dip Slide	TEST0226	Box of 10
DRBCA Agar Plates	TEST0223	Box of 10
Nutrient Agar Plates	TEST0224	Box of 10
20L Mini Digital Incubator	TEST0227	1



MicroBio MB1 Air Sampler

Description: The MicroBio MB1 bio aerosol sampler is the simplest to use and most economical microbial air sampler of its kind.

Recommended for: The MicroBio MB1 bioaerosol sampler is capable of using both a 90mm petri dish (400 and 220 hole head versions) or 55 mm contact plates (only 220 hole head version). Using standard readily available consumables at low cost with a variety of media makes the MicroBio MB1 an economical instrument to use. The MicroBio MB1 air sampler is ideal for providing an early warning of problems in environments such as a high risk food factory and for sampling the air for allergen transfer. The MB1 now features a delay start feature to allow the air sampling to commence only when all personnel have left the area being sampled.

Supplied with the MB1 Bio aerosol Sampler:

- Petri dish and contact plate spring sets
- Stainless steel sampling head
- Printed operating manual
- Padded carry bag
- Multi-voltage world-wide charger with international plugs and 12V in-car plug
- Ansmann maxE NiMH cells – pre-charged so the MB1 is ready to use out of the box
- Certificate of Calibration

NB: Please note petri dishes are not included.

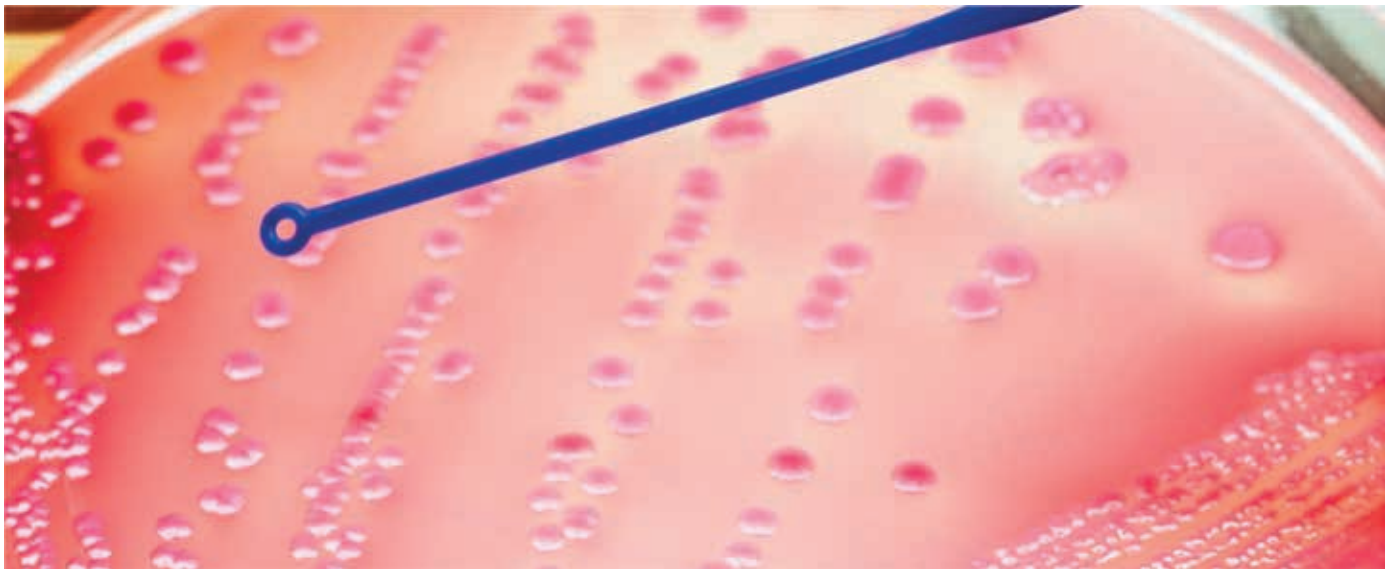
The MicroBio MB1 can be purchased with the option of one of two types of sampling heads (Please indicate which type is preferred when ordering). The MicroBio MB1 will be calibrated for use with the selected head. If swapping to another head type, the MicroBio MB1 must be re-calibrated:

- 220 x 1 mm hole stainless steel head - This is the standard head sold with the MicroBio MB1 air sampler. It is designed as a dual purpose head for both 55/60mm contact plates or up to 90mm Petri dishes. The d50 cut-off point of 1.7µm and has a jet velocity of 9.63 m/s. It is the ideal head for general purpose sampling of air quality within food manufacturing environments.
- 400 x 0.7 mm hole anodised aluminium head - Available as a no-cost option, this head provides full coverage of 90mm Petri dishes with a d50 point of 1.35µm and air jet velocity of 10.7 m/s. These heads are ideal for use in areas needed higher sensitivity of collection.



Item	Order Code	Quantity
MicroBio MB1	TEST0064	1
MicroBio MB1 Validation Kit	TEST0137	1
MicroBio MB1 Calibration Service	TEST0247	1
DRBCA Agar Plates	TEST0223	Box of 10
Nutrient Agar Plates	TEST0224	Box of 10
20L Mini Digital Incubator	TEST0227	1

Rapid Surface Hygiene Tests



ATP Testing

SystemSURE™ Plus Luminometer

Description: An easy-to-use, robust, ATP monitoring system.

Recommended for: Incorporating ATP monitoring into pre-operative equipment inspection and change over cleaning verification. Personnel can verify equipment cleanliness in seconds.

SystemSURE™ is compatible with:

UltraSnap™ – surface ATP

AquaSnap™ – liquid Total ATP

AquaSnap™ – liquid Free ATP

SuperSnap™ - high sensitivity surface ATP

The SystemSURE™ Plus makes it easy to manage all your test locations by storing up to 251 locations in an organised group called a Test Plan.

SystemSURE™ Plus uses a state-of-the-art Photodiode sensor technology that enables superior sensitivity and stability over bulky Photomultiplier Tube (PMT) sensors.

SystemSURE™ Plus is provided with SUREtrend™ data analysis software that allows you to analyse and trend historical data, and it's free with every SystemSURE™ Plus luminometer.



Swab shelf life: 12 months at refrigerated temperatures (2 – 8 °C) & 4 week shelf life at room temperatures (21 -25°C)

Item	Order Code	Quantity
SystemSURE™ Plus Luminometer	TEST0065	1
UltraSnap™	TEST0066	Box of 100
SuperSnap™	TEST0071	Box of 100
AquaSnap™ Total	TEST0067	Box of 100
AquaSnap™ Free	TEST0248	Box of 100
ATP Positive Control Kit	TEST0127	Box 25 vials
LED Calibration Control Rod	TEST0190	1

EnSURE™ Touch Luminometer

EnSURE™ Touch is the next-generation quality monitoring system. It provides rapid and accurate sanitation verification to support your quality management programs.

Featuring a 5-inch touch screen, wireless sync technology, and cloud-based software, the EnSURE™ Touch is designed to adapt to your workplace and provides the data you need for complex multi-location operations, audit and risk management, and recall prevention.

The Hygiene EnSURE™ Touch is a quality monitoring system that uses one instrument platform to collect, analyse, and report from multiple quality indicators.



The EnSURE™ Touch system is designed to be used for multiple quality and food safety tests. Users can use the system for ATP hygiene monitoring or have an expanded program that incorporates rapid microorganism tests for environmental monitoring and finished product testing. EnSURE™ measures tests for:

- ATP from surface and liquid samples (UltraSnap™ and AquaSnap™)
- High sensitivity ATP/Allergen prevention (Super Snap™)
- Total Viable Count, Enterobacteriaceae, Coliform, E.coli (MicroSnap™)

EnSURE™ Touch's responsive, shatter-proof touchscreen design puts all the functionality and features of Hygiene's ATP Monitoring Systems at your fingertips.

In just a few touches you can:

- Run a quick test
- Add and edit users
- Search through plans, locations, and users
- Perform a calibration check
- Run a re-test
- Sync to SureTrend™ Cloud
- Change screen and battery settings
- Connect to Wi-Fi
- Share your screen with Hygiene Technical Support
- View trend analysis and reports
- Display results in competitor RLU limits
- Advanced settings allow EnSURE™ Touch users to add valuable data such as room number, cleaning personnel, and cleaning products used to each test, which provides greater insight when evaluating processes, performance, and personnel

Features & Benefits:

- Advanced photodiode technology and unique chemistry for maximum sensitivity and durability.
- Intuitive smart navigation makes it easy for anyone to use
- Functions like a smartphone
- USB or Wi-Fi Sync capability
- Supports multiple languages
- Responsive 5-inch shatter-proof touch screen
- Train remote teams with built-in screen sharing capability
- Built-in tilt sensor for more accurate readings
- Auto shut-off for smart battery management
- Simulate competitor upper and lower RLU limits

Swab shelf life:

12 months at refrigerated temperatures (2 – 8 °C)

Item	Order Code	Quantity
EnSure™ Touch Luminometer	TEST0175	1
UltraSnap™	TEST0066	Box of 100
AquaSnap™ Total	TEST0067	Box of 100
AquaSnap™ Free	TEST0248	Box of 100
SuperSnap™	TEST0071	Box of 100
Enrichment Swab for Microsnap™ E.coli/Coliforms	TEST0072	Box of 100
Enrichment Swab for Microsnap™ Enterobacteriaceae	TEST0073	Box of 100
Enrichment Swab for Microsnap™ TVC	TEST0074	Box of 100
Detection Device for Coliform	TEST0078	Box of 100
Detection Device for Enterobacteriaceae	TEST0079	Box of 100
Detection Device for E.coli	TEST0080	Box of 100
Detection Device for Total	TEST0081	Box of 100
Mini Incubator (requires 12 wells)	TEST0107	1
12 Well Block for Mini Incubator	TEST0107/01	1
Lab Format Incubator (requires 2 x 35 wells)	TEST0125	1
35 Well Block for Lab Format Incubator	TEST0125/02	1
ATP Positive Control Kit	TEST0127	Box 25 vials
LED Calibration Control Rod	TEST0190	1



Microbiological Testing

InSite™ Rapid Environmental Listeria Test

Description: The NEW AND IMPROVED Hygiena InSite™ Rapid Environmental Listeria Test is a simple, easy to use, test for Listeria species.

It is a self-contained test device with a selective growth medium (containing antibiotics, growth enhancers and colour changing compounds specific to Listeria species) which has been recently improved to increase selectivity and detects low numbers of Listeria on stainless steel, ceramic and plastic surfaces. The color-changing medium gives presumptive positive results in as little as 24 hours but requires 48 hours incubation for negative results.

Simply swab the test area and incubate. A change in colour after 24-48 hours of incubation is considered presumptive positive for Listeria species.

A mini incubator and the 12 well block is required (TEST0107 & TEST0107/01 - sold separately) or for larger swab volumes a Lab Format Incubator and two 35 well blocks (TEST0125 & TEST0125/02 - sold separately) can be used to allow up to 70 swabs to be incubated.

No additional sample handling of the sample is necessary.

Item	Order Code	Quantity
100 InSite™ Listeria Swabs	TEST0085	Box of 100
Mini Incubator (12 wells)	TEST0107	1
12 Well Block for Mini Incubator	TEST0107/01	1
Lab format Incubator (requires 2 x 35 wells)	TEST0125	1
35 Well Block for Lab Format Incubator	TEST0125/02	1



Shelf life: 12 months at refrigerated temperatures (2 – 8 °C)

InSite™ Rapid Environmental Salmonella Test

Description: An easy-to-use, self-contained, environmental Salmonella test.

Recommended for: Each device contains a liquid medium formulated with growth enhancers and chromogenic compounds selective for Salmonella species. Simply swab the test area and incubate. A change in colour after 24-48 hours of incubation is considered presumptive positive for Salmonella species.

A mini incubator and the 12 well block is required (TEST0107 & TEST0107/01 - sold separately) or for larger swab volumes a Lab Format Incubator and two 35 well blocks (TEST0125 & TEST0125/02 - sold separately) can be used to allow up to 70 swabs to be incubated.

No additional sample handling of the sample is necessary.

Item	Order Code	Quantity
50 InSite™ Salmonella Swabs	TEST0087	Box of 50
Mini Incubator (12 wells)	TEST0107	1
12 Well Block for Mini Incubator	TEST0107/01	1
Lab Format Incubator (requires 2 x 35 wells)	TEST0125	1
35 Well Block for Lab Format Incubator	TEST0125/02	1



Shelf life: 12 months at refrigerated temperatures (2 – 8 °C)

InSite™ Rapid Listeria Species & Listeria monocytogenes Test

Description: An easy to use, self-contained rapid environmental Listeria species and Listeria monocytogenes test.

Recommended for: InSite™ L.mono Glo is an easy-to-use, self-contained, environmental sampling and screening test for Listeria species and Listeria monocytogenes. Each device contains a chromogenic liquid media formulated with antibiotic growth enhancers, colour changing compounds specific to Listeria and fluorescent compounds specific to Listeria monocytogenes.

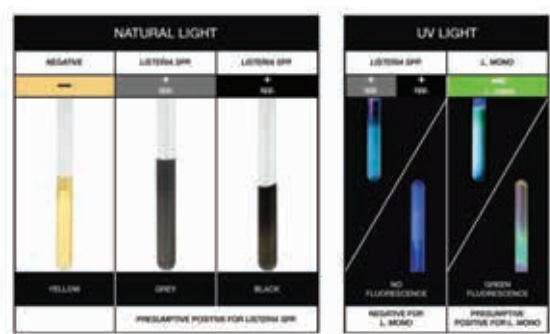
The two-step test changes colour in the presence of Listeria species, while illumination with a UV torch reveals the presence of Listeria monocytogenes. A change in colour after 24-48 hours of incubation is considered presumptive for Listeria species and Listeria monocytogenes when illuminated with a UV torch.

Only a Mini Incubator (TEST0107 & TEST0107/01) or Lab Format Incubator (TEST0125 & TEST0125/02) and a UV torch (TEST0055 or TEST0195) is required, and no additional sample handling of the sample is necessary.

- Features:**
- All-in-one sampling and detection for ease of use.
 - Large foam swab for maximum sample pickup.
 - Foam swab pre-moistened with neutralising buffer to minimise sanitiser interference.
 - Presumptive positive results in as little as 24 hours.
 - UV fluorescence indicates pathogenic Listeria.
 - Easy to interpret results, when Listeria species are present in a sample, the liquid media changes colour from amber to black. If the pathogenic Listeria monocytogenes is present, the media will glow green when UV light from a UV torch is used to illuminate the swab.

A mini incubator and the 12 well block is required (TEST0107 & TEST0107/01 - sold separately) or for larger swab volumes a Lab Format Incubator and two 35 well blocks (TEST0125 & TEST0125/02- sold separately) can be used to allow up to 70 swabs to be incubated.

No additional sample handling of the sample is necessary.



Item	Order Code	Quantity
50 InSite™ L mono Glo Swabs	TEST0192	1
UV 5W Torch	TEST0055	1
41 LED UV Torch	TEST0195	1
UV Lumitorch	TEST0210	1
UV Blocking Spectacles	TEST0056	1
Mini Incubator (12 wells)	TEST0107	1
12 Well Block for Mini Incubator	TEST0107/01	1
Lab Format Incubator (requires 2 x 35 wells)	TEST0125	1
35 Well Block for Lab Format Incubator	TEST0125/02	1

MicroSNAP™ Range

Description: The MicroSnap™ platform bridges the time gap between ATP and bacterial culture results with convenient, 8-hour or less tests for E. coli, Coliform, Enterobacteriaceae, and TVC.

Recommended for: MicroSnap™ can be used to test environmental surfaces, water and other filterable liquids.

Tests consist of an Enrichment Device containing a specific growth medium and a Detection Device containing a bioluminogenic substrate in which the detection reaction is measured within the EnSURE™ Touch Luminometer.

In Step 1 (enrichment) the sample is incubated in growth media in order to increase the number of bacteria. As the number of bacteria increase, more of the diagnostic enzymes are created (beta-galactosidase and beta-glucuronidase), which are required for the bioluminogenic reaction.



The Incubation time of the sample is determined by the level of sensitivity required. After incubation, a small amount of sample is transferred to the Detection Device. In Step 2, the Detection Device is activated and incubated for 10 minutes. At this time, a specific substrate reacts with diagnostic enzymes to produce light. Light is measured in the EnSURE™ Touch Luminometer unit in seconds.

Light output is directly proportional to the initial starting inoculum.



Shelf life: 12 months at refrigerated temperatures (2 – 8 °C)

Item	Order Code	Quantity
EnSure™ Touch Luminometer	TEST0175	1
Enrichment Swab for MicroSnap™ E. coli/Coliforms	TEST0072	Box of 100
Enrichment Swab for MicroSnap™ Enterobacteriaceae	TEST0073	Box of 100
Enrichment Swab for MicroSnap™ TVC	TEST0074	Box of 100
Detection Device for Coliform	TEST0078	Box of 100
Detection Device for Enterobacteriaceae	TEST0079	Box of 100
Detection Device for E. coli	TEST0080	Box of 100
Detection Device for total viable count	TEST0081	Box of 100
Mini Incubator (12 wells)	TEST0107	1
12 Well Block for Mini Incubator	TEST0107/01	1
Lab Format Incubator (2 x 35 wells)	TEST0125	1
35 Well Block for Lab Format Incubator	TEST0125/02	1

Surface Residue Tests

Rapid Protein Tests

PRO-Clean™ Protein Residue Test

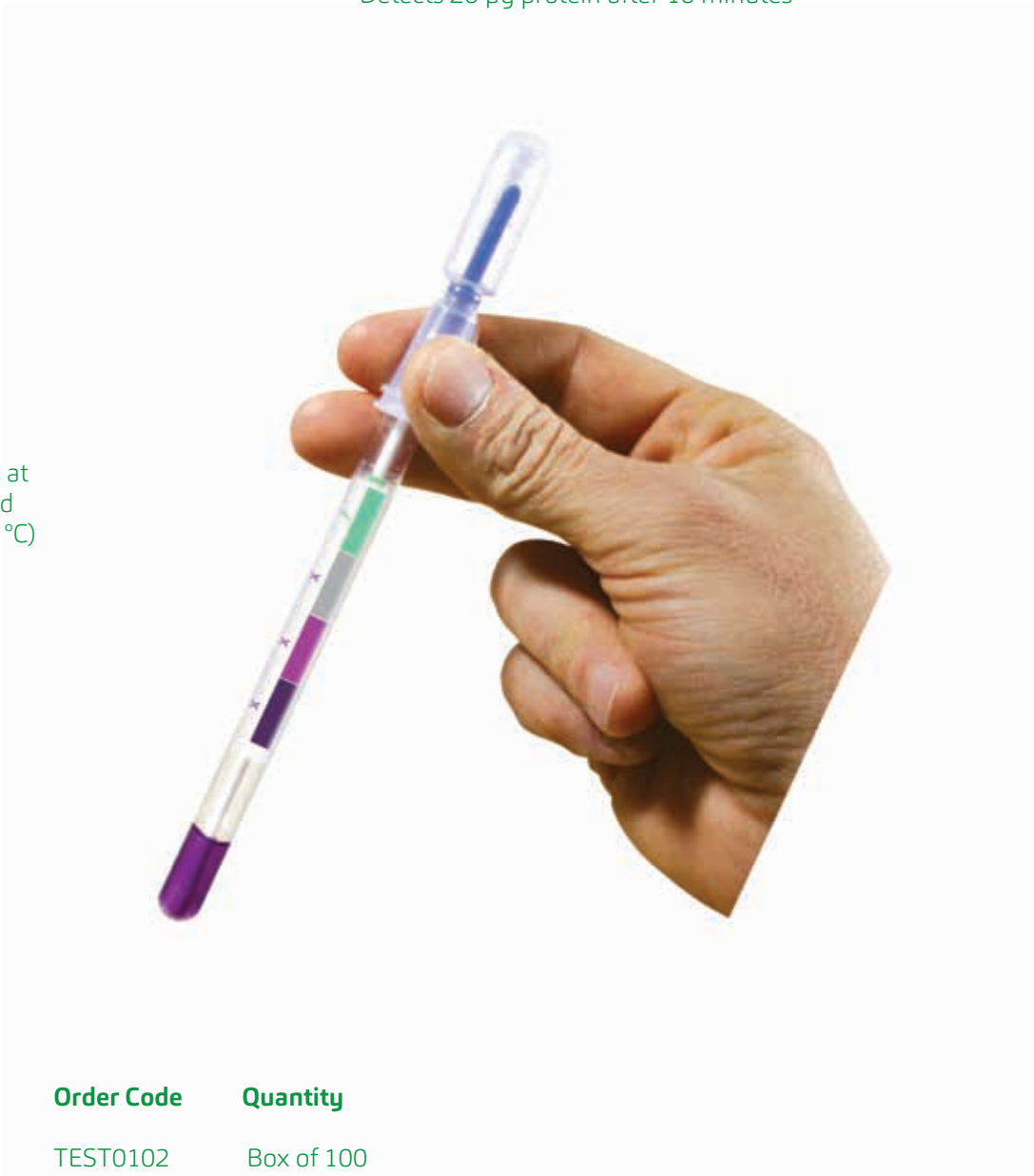
Description: PRO-Clean™ quickly and accurately monitors the cleanliness of surfaces to help ensure product quality by detecting protein residues left behind after cleaning.

Recommended for: Simply swab a surface, release the reagent, and if protein residue is present the reagent will turn purple. The more contamination present, the quicker and darker the colour change to purple. PRO-Clean™ quickly validates the hygiene of a surface, allowing immediate corrective action to be taken if necessary.

- Results in 1-10 minutes
- Easy-to-interpret colour change – no instrumentation required
- Unique liquid stable chemistry produces consistent results
- Pre-moistened swab provides reliable collection, recovery, and detection to ensure consistent results

Sensitivity:
Detects 80 µg protein after 1 minute
Detects 50 µg protein after 5 minutes
Detects 20 µg protein after 10 minutes

Shelf life: 24 months at room or refrigerated temperatures (2 – 25 °C)



Item	Order Code	Quantity
PRO-Clean™	TEST0102	Box of 100

3M™ Clean-Trace™ Surface Protein Plus

Description: Clean-Trace™ Surface Protein Plus swabs are a fast and easy way to check whether cleaning has been carried out to a satisfactory standard by means of protein detection.

Recommended for: Everything you need for a result is contained in the compact device. There is no need for an instrument as results are visual and there is also no need to store the device under refrigerated conditions.

With the unique swab-click-read format and simple colour change technology, this 3M test is very easy to use and implement in a busy production environment.

The results are semi-quantitative with four possible colours. The faster the test turns purple the higher the level of contamination on a surface. The test detects protein and other reducing agents, considered as a superior hygiene indicator to glucose as protein may be more difficult to remove from a surface.

Item	Order Code	Quantity
Clean-Trace™ Surface Protein Plus Swabs	SKS00860	Box of 100



Shelf life: 12 months at refrigerated temperatures (2 – 8 °C)

RapidChek™ Total Protein Test

Description: The RapidChek™ Total Protein test is a colorimetric assay designed to screen surfaces for protein residues. Insufficient cleaning can result in unhygienic conditions. Testing surfaces for protein residues can therefore help to verify the effectiveness of a cleaning program.

Recommended for: RapidChek™ Total Protein detects residues from foodstuffs remaining on the surface of production and processing equipment after the detergent rinse stage. The test is designed to help cleaning personnel verify their cleaning procedure. The test takes 30 seconds, and no additional equipment, is required. Only the swab pad comes into contact with the surface, so no cleaning after testing the surface is necessary.

Features and Benefits:

- Fast and simple procedure
- Time-to-result: 30 seconds
- No additional equipment required
- No temperature-dependent incubation step
- No chemicals come into contact with tested surface
- Compact and easy to transport

High sensitivity:
3 µg for total protein (bovine serum albumin as control)
Environmentally friendly
Low carbon footprint
No toxic components
Storage Temperature 15°C - 25°C



Item	Order Code	Quantity
RapidChek™ Total Protein	TEST0234	Box of 30

Hygiena AllerSnap™ Protein Swabs

Recommended for: High sensitivity protein testing.

Description: The Hygiena AllerSnap™ is a quick and easy way to verify the cleanliness of surfaces by detecting protein residues left behind after cleaning.

Simply swab a surface, release the reagent, incubate, and if protein residue is present, the reagent will turn purple. The colour change provides a semi-quantitative measure of surface cleanliness. More contamination produces a quicker and darker colour change to purple.

AllerSnap™ rapidly validates the hygiene of a surface, allowing immediate corrective action to be taken if necessary.

Results in 15-30 minutes (requires a mini incubator - TEST 0107 & 12 well block insert TEST0107/01 or Lab Format Incubator TEST0125 & 2 x 35 well blocks TEST0125/02).

Detects 3 µg protein after 30 minutes at 37 °C or 15 minutes at 55 °C

Item	Order Code	Quantity
AllerSnap™ Swabs	TEST0106	Box of 100
Mini incubator (12 wells)	TEST0107	1
12 Well Block for Mini Incubator	TEST0107/01	1
Lab Format Incubator (2 x 35 wells)	TEST0125	1
35 Well Block for lab format incubator Pack size: 100 swabs	TEST0125/02	1

Shelf life: 12 months at room or refrigerated temperatures (2 – 25 °C)



Rapid Sugar Residue Test

SpotCheck Plus Glucose & Lactose Residue Test

Description: SpotCheck Plus detects the presence of glucose and lactose on a surface.

Recommended for: Simply swab a surface, release the reagent and if any residue containing glucose and/or lactose is present the reagent will turn green, indicating poor surface hygiene. The more contamination present, the quicker the colour change and darker the colour. SpotCheck Plus instantly validates the hygiene of a surface, allowing immediate corrective action to be taken if necessary.

- All-in-one device
- Easy-to-interpret colour results
- No instrumentation necessary
- Results in 60 seconds
- Pre-moistened swab for reliable collection, recovery, and detection
- Detects down to 2.5 µmoles D-glucose or 5.0 µmoles lactose in 60 seconds

Item	Order Code	Quantity
SpotCheck Plus Swabs	TEST0103	Box of 100

Shelf life: 12 months at refrigerated temperatures (2 – 8 °C) 4 weeks (21-25°C)



Raw Meat Speciation Test Kits

Raw Meat FlowThrough™ Surface Swabs are rapid and accurate meat speciation tests for detecting raw meat on surfaces.

Meat processors now have a new possibility to improve the effectiveness of their cleaning routines.

This test has been developed as a fast and reliable test that can be easily implemented as a routine check.

Ideal for any facility handling raw meat, the kits quickly and easily detect the presence of various raw meats on visibly clean environmental surfaces. Tests are available for cow, pig, poultry or sheep.

Raw Meat Species FlowThrough™ Key Attributes

- Easy to use, no special training required
- Includes all materials for conducting five tests
- Reliable, sensitive detection
- Results in < 8 minutes for surfaces
- No 'overload' risk if high levels of contamination



Item	Order Code	Quantity
Raw Meat Speciation FlowThrough - Cow	TEST0238	1 Box of 5 Tests
Raw Meat Speciation FlowThrough - Pig	TEST0239	1 Box of 5 Tests
Raw Meat Speciation FlowThrough - Poultry	TEST0240	1 Box of 5 Tests
Raw Meat Speciation FlowThrough - Sheep	TEST0241	1 Box of 5 Tests

Biotector Detection Test

Biotector Detection Solution

Biotector reacts specifically in the presence of biofilms for clear & rapid detection (within 30 seconds) of contaminated surfaces. This detects biofilm and harmful microorganisms even when a simple visual inspection check fails.

It consists of a series of solutions, chemical products and reagents, which in the presence of active microorganisms, decompose the reagent to release oxygen bubbles, which forms a foam – for quick identification of a contaminated surface. In seconds, a positive result can be generated, confirming the presence of biofilms, for action to be taken.

Biotector has a pink colouring, which provides a contrast background to enhance the appearance of the

white foam, thus making it easily visible to the human eye. The colouring will not stain surfaces, making it possible to use the product on any surface type. Heavy contamination is indicated within 10 seconds, mild contamination within 30 seconds.

Features:

- Fast and efficient detection of biofilms.
- Biotector is safe to use, non-staining, leaves no residues and rinses easily.
- Contamination is detected within 30 seconds of application.
- Biotector is extremely cost effective and significantly strengthens your cleaning verification and monitoring processes.



Item	Order Code	Quantity
Biotector (3 x 500ml)	TEST0176	1

Shadow Detection Spray

UV Shadow Spray

Description: A simple to use UV reflectance spray for the rapid detection of shadow areas on surfaces and within vessels and pipework.

Recommended for: Developed by Kersia, UV Shadow Spray is a simple to use liquid spray designed to quickly identify areas where potential contamination is a concern e.g. inside vessels and pipework that may have been missed or not properly cleaned during cleaning in place (CIP) or another type of recirculatory cleaning system. Potential areas of concern that can be highlighted using the spray include:

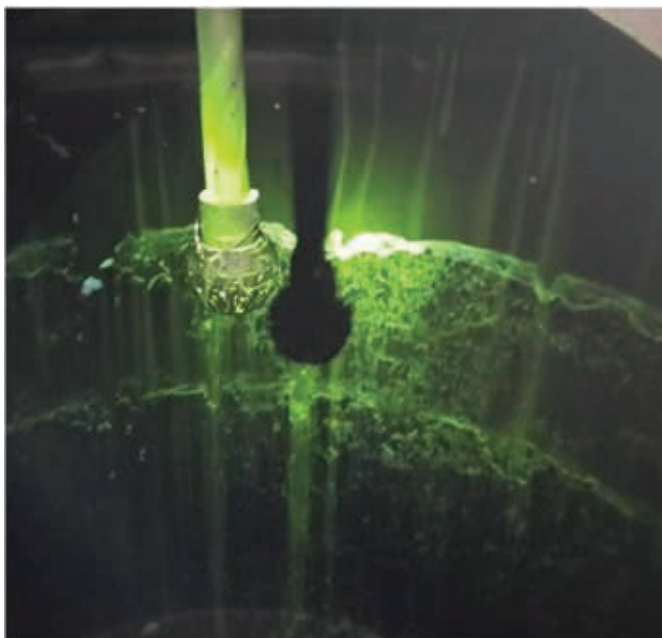
- Issues with spray device patterns due to poor performance or incorrect positioning
- Blocked or damaged spray devices
- Spray patterns that may have been affected following vessel modifications or obstructions within the vessel
- Issues with CIP pressures and flow rates

The spray contains non-toxic ingredients which adhere to surfaces and fluoresce in the presence of UV light.

The UV shadow spray solution is applied straight from the trigger spray applicator, before cleaning, to any areas where there are concerns with cleanability.

Once the cleaning has been completed the areas can be quickly checked straight away using a suitable UV Torch (TEST0055, TEST0195 or TEST0210). No visible UV fluorescence indicates that the clean is effective, however, if residues remain fluorescing under UV light, this then allows the Operator to decide on a suitable course of action to eliminate the problem.

Any spray that remains fluorescing on surfaces can be rinsed away or wiped off the surfaces using a suitable wipe, before re-checking again with a UV torch to ensure all surfaces are free from residues.



Item	Order Code	Quantity
UV Shadow Spray (1 Litre)	TEST0196	1
UV 5W Torch	TEST0055	1
41 LED UV Torch	TEST0195	1
UV Lumitorch	TEST0210	1

Rapid Allergen Tests



Specific Allergen Tests

Neogen Reveal 3-D food allergen kits

Description: The Reveal® 3-D Tests make it simple to screen for the presence of low levels of allergens in food products and environmental swabs virtually anywhere.

Recommended for: The Reveal 3-D allergen tests utilise a 3-line readout: a control line confirms the method has been performed successfully and two further lines differentiate low & high levels of detection.

The Reveal 3-D tests can be used virtually anywhere to screen environmental swabs, food products and Clean in Place (CIP) rinses for the presence of allergen contamination.

Each kit contains everything required (including swabs) to perform testing. There are 10 tests included (except 3-D Gliadin R5 which includes 20 tests). Sample preparation and testing takes less than 10 minutes, making Neogen’s Reveal® 3-D tests a great choice for on-site food allergen control.

Item	Order Code	
Reveal 3-D Almond	TEST0005	:
Reveal 3-D Coconut	TEST0180	:
Reveal 3-D Crustacea	TEST0006	:
Reveal 3-D Egg	TEST0012	:
Reveal 3-D Gluten	TEST0002	:
Reveal 3-D Gliadin R5	TEST0047	:
Reveal 3-D Hazelnut	TEST0004	:
Reveal 3-D Mustard	TEST0048	:
Reveal 3-D Peanut	TEST0003	:
Reveal 3-D Sesame	TEST0049	:
Reveal 3-D Soy	TEST0019	:
Reveal 3-D Total Milk	TEST0001	:
Reveal 3-D Multi-Treenut (almond, hazelnut, pecan, walnut, cashew & pistachio)	TEST0053	:



Swab shelf life:
Maximum 3 months
at refrigerated
temperatures (2 – 8 °C)



AgraStrip® Allergen Test Strips

Description: AgraStrip® Allergen Test Strips for the rapid and simple detection of allergens.

Recommended for: The AgraStrip® Allergen Test Strips are a lateral flow strip test designed for the rapid and simple detection of allergenic proteins within a food manufacturing facility.

Real time testing using on-site lateral flow methods allows

for quick testing and immediate decision making, especially when a fast turnaround or trouble shooting is necessary.

Solid products such as raw materials, in-process materials or finished products and liquid samples such as liquid products or rinse water can be tested, as well as environmental swabs of machinery and surfaces, each AgraStrip allergen test includes 10 test strips.

Item	Order Code
AgraStrip Almond	TEST0024
AgraStrip Brazil Nut	TEST0025
AgraStrip B Lactoglobulin	TEST0044
AgraStrip Casein	TEST0026
AgraStrip Cashew/Pistachio	TEST0027
AgraStrip Coconut	TEST0038
AgraStrip Crustacea	TEST0045
AgraStrip Egg	TEST0028
AgraStrip Gluten G12	TEST0029
AgraStrip Hazelnut	TEST0031
AgraStrip Lupin	TEST0035
AgraStrip Macadamia Nut	TEST0036
AgraStrip Mustard	TEST0032
AgraStrip Peanut	TEST0037
AgraStrip Sesame	TEST0033
AgraStrip Soy	TEST0039
AgraStrip Total Milk	TEST0046
AgraStrip Walnut	TEST0034
Swab shelf life: 6-12 months at ambient room temperatures	



3M Allergen Protein Rapid Test Kits



Description: The 3M™ Protein Rapid Test Kits are intended for screening for the presence of specific proteins in clean-in-place (CIP) final rinse water, environmental swab samples, food ingredients and processed food products.

The 3M Allergen Protein Rapid Test Kits utilise a lateral flow device (LFD) that is an immunochromatographic test method utilising antibodies which are specific for the detection of specific proteins. Positive results are visualised by the presence of three lines: a control line, a hook line and a test line, when the fish protein is present in the desired concentration range.

Limits may vary depending on the matrix tested. Samples containing high amounts of the specific protein being tested may result in an invalid test which will result in the absence of the hook line and / or test line.

- Results visible at 11 +/- 1 minute after application of the sample
- Rapid, qualitative immunochromatographic lateral flow test cartridges designed for the detection of allergenic food proteins
- Designed to detect both processed and unprocessed allergen proteins
- Test can accommodate environmental swab, CIP rinse water and food samples



Item	Order Code	Quantity
3M Coconut Allergen Test Kit	TEST0155	1 Box of 25 Tests
3M Fish Allergen Test Kit	TEST0156	1 Box of 25 Tests

Generic Allergen Tests

AllerSnap™

Description: AllerSnap™ is a quick and easy way to verify the cleanliness of surfaces by detecting protein residues left behind after cleaning.

Recommended for: Simply swab a surface, release the reagent, incubate, and if protein residue is present, the reagent will turn purple. The colour change provides a semi-quantitative measure of surface cleanliness. More contamination produces a quicker and darker colour change to purple.

AllerSnap™ rapidly validates the hygiene of a surface, allowing immediate corrective action to be taken if necessary.

Results in 15-30 minutes (requires a mini incubator).

Detects 3 µg protein after 30 minutes at 37 °C or 15 minutes at 55 °C

A mini incubator and the 12 well block is required (TEST0107 & TEST0107/01 - sold separately) or for larger swab volumes a Lab Format Incubator and two 35 well blocks (TEST0125 & TEST0125/02 - sold separately) can be used to allow up to 70 swabs to be incubated.

No additional sample handling of the sample is necessary.

Item	Order Code	Quantity
AllerSnap™ Swabs	TEST0106	Box of 100
Mini incubator (12 wells)	TEST0107	1
12 Well Block for Mini Incubator	TEST0107/01	1
Lab Format Incubator (2 x 35 wells)	TEST0125	1
35 Well Block for lab format incubator	TEST0125/02	1

Pack size: 100 swabs
Shelf life: 12 months
at room or refrigerated
temperatures (2 – 25 °C)



Hand Hygiene - Sampling Devices

Hand Hygiene Sampling Devices

UV Hand Inspection Cabinet

Description: A Hand Inspection Cabinet using UVA, long wave UV light.

Recommended for: This product is used to demonstrate correct hand washing/scrubbing techniques. It will instantly highlight any defects and raises the awareness of potential hygiene problems.

Item	Order Code	Quantity
Hand Inspection Cabinet Starter Kit (includes hand inspection cabinet, a bottle of Glitterbug UV lotion, a carry case and a spare UV bulb)	TEST0202	1

The Hand Inspection Cabinet demonstrates the importance of hands being washed often and well, requiring the right technique and friction to reduce the risks of user infections and cross contamination.



Glitterbug Lotion

Description: The Glitterbug Lotion is rubbed in to your hands and when placed under a UV lamp any areas not washed properly will show up.

Recommended for: A special lotion, GlitterBug, is applied to the hands and then washed off providing a visual way of testing, teaching and monitoring good hand washing techniques.

When the hands are placed in the Hand Inspection Cabinet or under any suitable UV light e.g. UV torches (TEST0055, TEST0195 or TEST0210) any remaining GlitterBug Lotion will fluoresce under the ultraviolet lamp demonstrating the flaws in the hand washing technique.

The GlitterBug products provide a valuable tool for teaching proper hand-hygiene techniques.

Item	Order Code	Quantity
Glitterbug lotion	TEST0111	1
41 LED UV Torch	TEST0195	1
UV Lumitorch	TEST0210	1



240ml bottle

GlitterBug Gel

Description: The GlitterBug Gel is an innovative product designed for teaching, testing and evaluating hand-sanitiser application technique.

Recommended for: The GlitterBug Gel is used extensively within the food industry for ensuring staff have satisfactory hand-sanitiser application procedures. GlitterBug Gel is spread onto the hands as if applying a hand sanitiser.

If the hands are then placed within a UV cabinet (TEST0108) or under a UV torch (TEST0195 or TEST0210), it will highlight the areas where the gel has not been applied properly.

Item	Order Code	Quantity	Price
GlitterBug Gel	TEST0206	1	£23.00



Chemical Tests



Chemical Tests

Description: Easy-to-use chemical titration kits for testing detergent and disinfectant concentrations.

Recommended for: Any cleaning regime requires the selection of the correct detergent and disinfectant strength, with routine checks carried out to ensure that this desired strength has been met.

These simple to use titration kits contain reagents and test methods for all of the Kersia chemical detergent and disinfectant range



Acid Test Kit

Recommended for checking the chemical concentrations of Kersia acid detergent products

Item	Order Code	Quantity
Acid dropper test kit	SKS00801	1
Acid dropper test kit individual reagents – PA1 indicator (65ml)	SKS00800/01	1
Acid dropper test kit individual reagents – PA1 indicator (500ml)	SKS00843/1	1
Acid dropper test kit individual reagents – ACD3 (65ml)	SKS00801/01	1



Item

- Alkaline dropper test kit
- Alkaline dropper test kit individual reagents – PA1 indicator (65ml)
- Alkaline dropper test kit individual reagents– PA1 indicator (500ml)
- Alkaline dropper test kit individual reagents – PA2 acid solution (65ml)
- Alkaline dropper test kit individual reagents – PA2 acid solution (500ml)
- Alkaline dropper test kit individual reagents – Sodium Thiosulphate Crystals

Alkaline Test Kit

Recommended for checking the chemical concentrations of Kersia alkaline/caustic detergent products.

Order Code Quantity

- SKS00800 1
- SKS00800/01 1
- SKS00843/1 1
- SKS00800/02 1
- SKS00843/2 1
- SKS00800/03 1



Item

- Alkalinity carbonate dropper test kit

Alkalinity Carbonate Test Kit

Recommended for checking Sodium Hydroxide and Sodium Carbonate concentrations during CIP within a brewery.

Order Code Quantity

- SKS00837 1



Item

- Anionic dropper test kit
- Anionic dropper test kit individual reagents – TA01, QA1, AN1 (500ml)
- Anionic dropper test kit individual reagents TA01, QA1, AN1 (65ml)
- Anionic dropper test kit individual reagents – AN2 (65ml)
- Anionic dropper test kit individual reagents– AN3 (65ml)

Anionic Test Kit

Recommended for checking the chemical concentrations of Kersia anionic detergent products.

Order Code Quantity

- TEST0016 1
- TEST0251 1
- TEST0250 1
- TEST0021 1
- TEST0022 1



Available Chlorine Test Kit

Recommended for checking the amount of available chlorine (ppm) in Kersia chlorinated products.

Item

Available chlorine dropper test kit

Order Code

Quantity

SKS00802

1

Available chlorine dropper test kit individual reagents – CL1 (25g)

TEST0213/01

1

Available chlorine dropper test kit individual reagents - CL2 (25g)

TEST0213/02

1

Available chlorine dropper test kit individual reagents – CL3 (65ml)

SKS00802/04

1



Free Chlorine Test Kit

Recommended for checking the amount of free chlorine (ppm) in Kersia chlorinated products.

Item

Free chlorine dropper test kit

Order Code

Quantity

SKS00832

1

Free chlorine dropper test kit individual reagents – FCL1 (65ml)

TEST0008

1

Free chlorine dropper test kit individual reagents – FCL1 (500ml)

TEST0010

1

Free chlorine dropper test kit individual reagents – FCL3 (65ml)

TEST0009

1

Free chlorine dropper test kit individual reagents – FCL 3 (500ml)

TEST0011

1



Hydrogen Peroxide Test Kit

Recommended for checking the amount of hydrogen peroxide in Kersia products containing hydrogen peroxide.

Item

Hydrogen peroxide dropper test kit

Order Code

Quantity

TEST0017

1



Iodine Test Kit

Recommended for checking chemical concentration of Virophor 2.8% disinfectants.

Item

Iodine test kit

Order Code

SKS00812

Quantity

1



Neutral Test Kit

Recommended for checking the chemical concentrations of Kersia neutral products

Item

Neutral dropper test kit

Order Code

SKS00809

Quantity

1

Neutral dropper test kit individual reagents – TA1 Methyl orange indicator (65ml)

SKS00809/01

1

Neutral dropper test kit individual reagents– PA2 acid solution (65ml)

SKS00800/02

1

Neutral dropper test kit individual reagents– PA2 acid solution (500ml)

SKS00843/2

1



Peracetic Acid Test Kit

Recommended for checking the amount of Peracetic acid (ppm) in Kersia Peracetic acid based products

Item

Perbac, Perbac Farm, Protect HC505 & Crystal dropper test kit,

Order Code

SKS00834

Quantity

1

Perbac 15, Crystal Plus dropper test kit

SKS00835

1

Perbac OPD dropper test kit

SKS00836

1

Peracetic acid dropper test kit individual reagents 0.4N Sodium Thiosulphate (65ml)

SKS00833

1

Item	Order Code	Quantity
Peracetic acid dropper test kit individual reagents– Potassium iodide crystals (25g)	SKS00811/03	1
Peracetic acid dropper test kit individual reagents– Potassium iodide crystals (500g)	SKS00811/160	1
Peracetic acid dropper test kit individual reagents – Acid Ammonium Molybdate (250ml)	SKS00811/04	1



QAC Test Kit

Recommended for checking the chemical concentrations of Kersia QAC products.

Item	Order Code	Quantity
QAC dropper test kit	SKS00803	1
QAC dropper test kit individual reagents – TA01, QA1, AN1 (65ml)	TEST0250	1
QAC dropper test kit individual reagents – TA01, QA1, AN1 (500ml)	TEST0251	1
QAC dropper test kit individual reagents – QA2 (65ml)	SKS00803/02	1
QAC dropper test kit individual reagents – QA2 (500ml)	SKS00844/2	1
QAC dropper test kit individual reagents – QA3 (65ml)	SKS00803/03	1
QAC dropper test kit individual reagents – QA3 (500ml)	SKS00844/3	1



Residual EDTA Test Kit

Recommended for checking the amount of residual EDTA (ppm) in Kersia products containing EDTA.

Item	Order Code	Quantity
Residual EDTA dropper test kit	SKS00810	1



Metabisulphite Test Kit

Recommended for checking the levels of metabisulphite when using for the denitrification of surfaces and membrane preservation.

Item

Metabisulphite test kit

Order Code

TES0228

Quantity

1



Total EDTA Test Kit

Recommended for checking the total EDTA (ppm) in Kersia products containing EDTA.

Item

Total EDTA dropper test kit

Order Code

SKS00805

Quantity

1

Total EDTA dropper test kit
individual reagents – 0.01M copper sulphate (65ml)

SKS00805/01

1

Total EDTA dropper test kit
individual reagents – 5M acetic acid (65ml)

SKS00805/02

1

Total EDTA dropper test kit
individual reagents – PAN indicator (65ml)

SKS00805/03

1



Triamine Test Kit

Recommended for checking the chemical concentrations of Kersia Triamine products.

Item

Triamine dropper test kit

Order Code

TEST0051

Quantity

1

Triamine dropper test kit
individual re-agents - TA01, QA1, AN1 (65ml)

TEST0250

1

Triamine dropper test kit
individual re-agents – TA02 (65ml)

TEST0051/02

1

Triamine dropper test kit
individual re-agents – TA01, QA1, AN1 (500ml)

TEST0251

1

Triamine dropper test kit
individual re-agents – TA02 (500ml)

TEST0052

1



Ultralube Test Kit

Recommended for checking the chemical concentrations of Kersia Ultralube products.

Item	Order Code	Quantity
Ultralube dropper test kit	SKS00815	1
Ultralube dropper test kit individual reagents – PA1 indicator (65ml)	SKS00800/01	1
Ultralube dropper test kit individual reagents – PA1 indicator (500ml)	SKS00843/1	1



Total Water Hardness Test Kit

Recommended for checking the total water hardness (ppm calcium carbonate) of water samples.

Item	Order Code	Quantity
Water hardness dropper test kit	SKS00804	1
Water hardness dropper test kit individual reagents – H (65ml)	SKS00804/01	1
Water hardness dropper test kit individual reagents – TH2 (65ml)	SKS00804/02	1
Water hardness dropper test kit individual reagents – TH5 (65ml)	SKS00804/03	1

Test Kit Consumables

Item	Order Code	Quantity
5ml syringe	SKS00820	1
10ml syringe	SKS00821	1
20ml syringe	SKS00822	1
Polycarbonate test jar	SKS00823	1
Dropper bottle for test kit	SKS00819	1
Metal spatula	SKS00824	1

Palintest Kemio Disinfection Tester

Description: The next generation measurement platform for disinfectant solution testing, utilising a sophisticated electrochemical technique which removes complexity for the user, giving you clear results for confident decision making.

Recommended for: The Palintest Kemio™ disinfection tester performs tests for Chlorine (free and total), Chlorine Dioxide and Peracetic Acid (PAA) on one instrument with the use of different sensors. Ideal for produce wash disinfectant solutions.

The Palintest Kemio™ disinfection tester provides:

- Repeatable and reliable results with minimal user input.
- Suitable for all users, no training required.
- Get clear / pass and fail results to enable corrective action.
- Add personalised test information to create a complete, auditable dataset.
- Suitable for all sample types, not affected by colour, turbidity, floating particles or ambient light.

Kemio™ delivers repeatable and reliable results for every user: Get consistent results across all users. Unlike traditional measurement techniques, Kemio™ does the hard work for the operator, minimising chances for errors caused by users.

Suitable for all users with no training required: With on-screen visual instructions, Kemio™ can be used by anyone straight out of the box.

Personalised to your testing needs: Add your own test limits to set pass and fail results which enable clear action for the operator. Create a complete dataset by inputting personalised information such as user, location, batch and product.

Multiparameter testing platform: Kemio™ performs tests for Chlorine (free and total), Chlorine Dioxide and Peracetic Acid (PAA) on one instrument with the use of different sensors.

Get audit-ready with organised data: The integrated data log summarises 10,000 results to provide a traceable, auditable dataset. Meet your compliance requirements by extracting data via USB with the encrypted data transfer.

Suitable for all sample types: Kemio™ delivers a consistent performance for samples which are coloured, turbid or include floating particles. Ideal for produce wash disinfectant solutions.

Perform validation at the point of use: Kemio™ uses no glassware and is certified IP67 waterproof, making it suitable for use even in difficult operating environments.



Item	Order Code	Quantity
Palintest Kemio™ disinfection tester	TEST0186	1
Peracetic acid sensor (500 tests) 0 to 2000ppm	TEST0187	1
Chlorine high range sensor (500 tests) Free chlorine 0 to 25ppm Total chlorine 0 to 500ppm	TEST0188	1
Free chlorine high range sensor (100 tests) Free chlorine 0-100ppm	TEST0230	1
Free chlorine high range sensor (500 tests) Free chlorine 0-100ppm	TEST0229	1
Chlorine dioxide sensor (500 tests) 0 to 50ppm	TEST0189	1

Chemical Testing Paper & Strips

Description: Easy-to-use chemical test papers and test strips for testing disinfectant concentrations and also the presence of chemicals on surfaces.

Recommended for: Any cleaning regime requires the selection of the correct detergent and disinfectant strength, with routine checks carried out to ensure that

this desired strength has been met.

These simple to use chemical test papers and test strips can be used for testing a range of Kersia chemical disinfectants and for the presence of cleaning chemicals on surfaces and within rinse waters.

Item	Order Code	Quantity
Merck MQuant Chlorine test strips (0-500ppm available chlorine) (100 strips)	SKS00839/25-500	1
Quantofix Chlorine test strips (100 strips)	TEST0185	1
Chlorine test paper (0-200ppm chlorine) (15 feet roll)	TEST0219	1
Merck MQuant Peracetic acid test strips (0-50ppm PAA) (100 strips)	SKS00840/0-50	1
Merck MQuant Peracetic acid test strips (0-500ppm PAA) (100 strips)	SKS00840/100-500	1
Quantofix Peracetic Acid test strips (0-50ppm PAA) (100 Strips)	TEST0182	1
LaMotte Peracetic Acid test strips (0-160ppm PAA) (50 strips)	TEST0214	1
Quantofix Peracetic Acid test strips (0-2000ppm PAA) (100 Strips)	TEST0232	1
QAC test strips with dispenser (4.5 metres)	SKS00841	1
QAC test strips (refill 5 x 4.5 metre rolls)	SKS00841/01	1
Triamine test strips (100 strips)	TEST0133	1
pH paper (pH1-14) (5 metres)	SKS00842	1
pH test strips (100 strips)	TEST0172	1
Phenolphthalein test strips (200 strips)	TEST0040	1
Quantofix Sulphite test strips (0-1000ppm Sulphite) (100 strips)	TEST0184	1
Quantofix Nitrate/Nitrite test strips (1-500ppm Nitrate & 1-80ppm Nitrite) (100 strips)	TEST0181	1

Temperature, pH & Conductivity Monitoring Equipment



Temperature Monitoring

Thermocouple ThermaData Logger (IP67 rated)

Description: A waterproof temperature data logger for high temperature applications.

Recommended for: The ThermaData® thermocouple data logger is housed in a waterproof, ergonomic case that is designed to meet IP66/67 protection.

The Thermocouple ThermaData® data logger measures temperatures over the range of -100 to 1372 °C with a 0.1 °C resolution, auto-ranging to 1 °C over the range of 301 to 1372 °C. At programmable intervals the loggers will record the temperature, up to a maximum of 16000 readings or 2 x 8000 readings. The logger can record up to 4000 readings ranging from every 0.1 to 255 minutes.

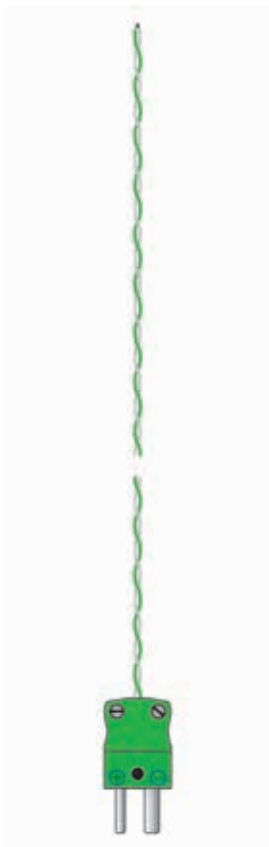
The logger incorporates a red and green LED, the flashing green LED indicates that the logger is active/logging and the flashing red LED indicates that your customised pre-set alarms have been exceeded. Each logger is supplied with a USB lead and ThermaData® Studio Software.



The logger could be used to record a temperature profile during an automated washing cabinet cleaning cycle.

The ThermaData Studio software allows the user to organise and analyse the recorded data and also to programme the logger (sample description, interval rate (0.1 to 255 minutes), clock, temperature units or delay the data logging start).

Each logger will require one PTFE wire probe (sold separately).



Item	Order Code	Quantity
Thermocouple ThermaData Logger	TEST0113	1
PTFE wire probe	TEST0114	1

Pocket Water Resistant pH Tester

Description: A water resistant, accurate and portable, pocket pH tester

Recommended for: The pH tester is useful for pH testing final rinse waters and chemical solutions. It has a dual LCD screen that displays pH and temperature readings simultaneously. The exposed temperature sensor provides a fast response time and the replaceable pH electrode helps to prolong the life of the meter.

This pocket pH tester is easy to use with a two button operation and offers 0.01 pH resolution and ± 0.05 pH accuracy.

Main benefits:

- Automatic buffer recognition and calibration
- Robust, replaceable electrodes
- Proximity of exposed temperature sensor to pH electrode guarantees greater accuracy in temperature compensated readings
- Calibrate direct in Hanna buffer solution sachets
- Battery % displayed on start up with Battery Error Prevention System (BEPS) to support optimum operation

The pH tester is supplied with a pH electrode, electrode removal tool and spare batteries and instructions.

Also available and sold separately:

- pH combination buffer solution kit 4.01 & 7.01 for calibrating the pH tester.
- pH electrode storage solution - keeps the pH tester glass bulb and the junction of the pH electrode moist to minimise clogging and ensure fast response time.



Item	Order Code	Quantity
Pocket Water Resistant pH Tester	TEST0069	1
pH Combination Buffer Solution Kit 4.01 & 7.01 (5 x 20ml pH 4.01 & 5 x 20ml pH 7.01)	TEST0086	1 box of 10
pH Electrode Storage Solution	TEST0082	1 x 500ml



pH Test Strips

Item	Order Code	Quantity
pH test strips (100 strips)	TEST0172	1
pH paper (5 metres)	SKS00842	1



Conductivity Monitoring

Portable Multi-range Conductivity Meter

Description: A portable multi-range conductivity meter.

Recommended for: The portable multi-range conductivity meter is suitable for quality control testing of chemical solutions and water conductivity levels.

The conductivity meter has a four ring potentiometric probe with built in temperature sensor which offers greater versatility over typical amperometric designs. This probe is made of PVC, making it ideal for indoor and outdoor use.

The conductivity meter has a large easy to read display, clear tutorial messaging provided on screen for easy calibration and neat ergonomic buttons to promote quick and efficient operation. The rugged PVC probe is ideal for both indoor and outdoor measurements.

Main benefits:

- Fast and easy to calibrate
- High accuracy across a very wide range from 0.1 $\mu\text{S}/\text{cm}$ to 199.9 mS/cm
- Rugged conductivity and temperature probe for taking indoor and outdoor measurements
- Battery level indicator

The conductivity meter is supplied with a conductivity probe with internal temperature sensor, starter pack of calibration sachets, spare battery and instructions.

Also available and sold separately:

- 1413 $\mu\text{S}/\text{cm}$ conductivity calibration solution



Item	Order Code	Quantity	Price
Portable Multi-range Conductivity Meter	TEST0070	1	
1413 $\mu\text{S}/\text{cm}$ Conductivity Solution	TEST0088	1 x 230ml	

Conductivity & Total Solids Tester

Description: A portable conductivity & total dissolved solids tester.

Recommended for: The measurement of conductivity (EC) and total dissolved solids (TDS) within test solutions.

The Conductivity & Total Dissolved Solids Tester is used to measure conductivity (EC) and total dissolved solids (TDS) in test solutions and features the following:

- Automatic calibration and temperature compensation.
- Low range tester for measuring samples such as clean water and tap water.
- Dual level display for simultaneous readings.
- Easy to use two buttons operation.
- Bright floating waterproof case.
- Direct contact temperature probe.
- Replacement graphite electrode snap-in probe.
- Removeable safety cap.
- Test ranges-EC 0 to 3999 $\mu\text{S}/\text{cm}$ & TDS 0 to 2000 ppm



Item	Order Code	Quantity
Conductivity & Total Dissolved Solids Tester	TEST0173	1



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