



## Validation Monitoring & Verification Tests

2018



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## Delivery Charges

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

Delivery charges are:

UK	£19.95	Republic of Ireland	€24.95
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Prices are correct at the time of publication. Although please visit our website for the latest prices and products at [www.holchem.co.uk/shop](http://www.holchem.co.uk/shop)

## Trading Terms & Conditions

All goods are supplied to you (The Purchaser) on the following terms and no person in our employment or acting or purporting to act as our agent has any authority to supply or accept orders for goods on any other terms or to vary them in any way whatsoever. Acceptance of goods by the purchaser shall be conclusive proof before any court that these terms apply to that contract for sale of goods.

All equipment will be supplied in accordance with each individual manufacturer's warranty and any claims will be strictly carried out with this warranty.

We will endeavour to advise suitability of analytical equipment and test methods for each individual customer's needs, but it is the sole responsibility of the customer, prior to ordering, to evaluate its suitability.

Prices are strictly net and payment is due within 30 days of the invoice date.

All prices and delivery charges shall be those ruling at date of dispatch unless otherwise agreed and shall be subject to alteration without notice, although we will give reasonable notice of alterations wherever possible.

Unless otherwise arranged, delivery will be made by the method we consider most suitable and if delays in delivery are due to factors out of our control we shall be allowed reasonable extension time. If consignments are delivered damaged or with part contents missing they must be signed for accordingly and notification sent in writing to us within 5 days of delivery.

Specifications may be changed by the manufacturer without notice to improve products or because of unavailability of original parts or materials, but we will ensure that the products remain suitable in our opinion for the purpose for which they were originally designed.

All goods which are subject of any agreement for sale by us to the purchaser shall be at risk of the purchaser as soon as they are delivered to his premises or otherwise to his order, but all such goods shall remain our sole and absolute property as legal and equitable owner until such time as the purchaser shall have paid to the company the invoice price. Until such time as the property in the goods referred passes to the purchaser, the purchaser acknowledges that he is in possession of such goods solely as bailee for us and that he will store them at his premises separate from other goods and that we may enter upon any part of the purchaser's premises with such transport as may be necessary and re-possess the same.

The terms and conditions are governed by English law.

PARTNERSHIP  
INNOVATION  
APPLICATION



# Foreword

At Holchem 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 Holchem'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 and allergenic hazards require validation to demonstrate that they are fit for purpose; indeed, this is a requirement of many retailer 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.

Holchem are pleased to offer a wide range of simple, easy to use, robust testing kits and equipment suitable for different applications within our new "one stop" 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, 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 found at:- [www.holchem.co.uk](http://www.holchem.co.uk)

For further information on the equipment and consumables within the catalogue please contact your local Technical Sales Consultant or the Holchem Customer Services team.



# Visual Assessment Devices

## UV 3W High Output LED Torch

Description: The UV 3W is a pocket size UV fluorescent inspection torch.

Recommended for: The compact UV-3W is a highly rugged pocket torch ideal for hygiene inspections and cleaning validation for quick any-time inspections. It uses the latest in lithium ion battery and ultraviolet LED technology to produce high quality UV light at a peak wavelength of 365nm.

Features:

- High UV-A light intensity
- Narrow beam spread, long throw
- Re-chargeable battery operation
- 365nm 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

The blue UV Glow Wax (a non-hazardous petroleum based gel) can be applied to surfaces scheduled for cleaning. It will be virtually invisible and only revealed upon exposure to UV light, when it will glow blue. The wax should be inspected under UV light to check for application, following scheduled cleaning, surfaces should be re-inspected under UV light to determine if UV Glow Wax has been removed. Complete removal indicates GOOD quality of cleaning and compliance with the cleaning protocol, partial or non-removal indicates POOR quality of cleaning and non-compliance with the cleaning protocol. NB – The glow wax should be thoroughly removed from surfaces after use.

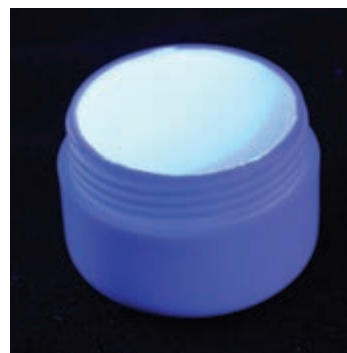
Item	Order Code	Quantity	Price
UV 3W Torch	TEST0055	1	£299.00
UV Blocking Spectacles	TEST0056	1	£39.00
Blue UV Glow Wax	TEST0089	1	£6.99



UV 3W Torch



UV Blocking Spectacles



Blue UV Glow Wax

## LED Pocket Torch

Description: A 200 lumens powerful LED torch.

Recommended for: This aluminium LED pocket torch produces a very impressive 200 lumens and provides a projection distance of 250 meters. It is suitable for hygiene inspections and cleaning validation.

Features:

- Dynamic switch
- Shockproof casing
- Four different modes: High beam, low beam, strobe mode, SOS signal mode
- Supplied with a holster, a wrist strap, 3 AAA alkaline batteries and a gift box



Item	Order Code	Quantity	Price
LED Pocket Torch	TEST0090	1	£34.70

## Ridgid Seesnake Micro Explorer Inspection Camera CA-300

Description: The Ridgid Seesnake Micro Explorer Inspection Camera CA-300 is a pipe work inspection camera.

Recommended for: The Ridgid Seesnake Micro Explorer Inspection Camera CA-300 is ideal for inspecting pipe work internals and hard to reach areas to validate cleaning.

Features:

- Comfortable pistol-grip design with one-hand controls.
- Large screen making it easier to detect and diagnose the unreachable.
- Video and still Images are captured to on-board memory (236MB) or to SD Card (Max 32GB).
- Integrated speaker/microphone to aid inspection reports.
- 3 foot, 17mm diameter camera cable head with 4 super bright adjustable LEDs.
- Image zoom and 360° rotation function.
- Power Source - rechargeable Lithium Ion Battery or AC Charger for mains power.



Extension cables can be fitted to the Ridgid Micro Inspection Camera System up to 30 feet, these are available in either 3' or 6' lengths. The CA-300 camera can also be used with the 10 metre MicroDrain reel for inspecting drains at the end of cleaning. This features a 22mm camera head and a 10 metre cable length within a durable easy to clean casing.

Item	Order Code	Quantity	Price
Ridgid Seesnake Micro Explorer Inspection Camera CA-300	TEST0117	1	£435.20
Ridgid SeeSnake 3 ft Extension Cable	TEST0118	1	£30.00
Ridgid SeeSnake 6 ft Extension Cable	TEST0119	1	£56.00
Ridgid MicroDrain 10m Reel with CA-300 Camera	TEST0120	1	£2089.60



## ATP VB-END USB Inspection Cameras

Description: A USB pipe work inspection camera

Recommended for: The ATP VB-END USB inspection cameras are available in either 5 or 10 metre lengths and are ideal for inspecting pipe work internals to validate cleaning.

The cameras have a 5.5mm diameter waterproof camera head that will help diagnose issues with pipe work cleaning. This camera is easy to use. Just connect the camera directly to the computer or laptop via the USB port. The camera is powered from the USB port connection.

There are 6 adjustable ultra-bright LED lights. The data capture facility allows still images or video to be captured.

Features:

- Semi-rigid flexible probe can be pre-formed to access hard to reach areas
- Water-proof camera head (IP67)
- Powered by USB interface for direct connection to a PC or Laptop
- Light adjustment control for 6 ultra-bright LED's
- Capture video images and stills which can be attached to emails or reports
- Supplied with software
- Supplied with a cable length of 5 or 10 metres



ATP VB-END5

Item	Order Code	Quantity	Price
ATP VB-END5 5 m USB Inspection Camera	TEST0121	1	£37.50
ATP VB-END10 10 m USB Inspection Camera	TEST0122	1	£45.00



## 230mm Lightweight Lookunder Mirror

Description: A lightweight mirror for assisting with the visual inspections of difficult to access areas on equipment.

Recommended for: The 230mm Lightweight Lookunder Mirror is designed for viewing and inspecting on top, around and underneath equipment areas which are difficult to access and hard to see.

The ACM (Aluminium Composite) back and impact resistant acrylic face make it easy to handle but strong enough to take some knocks. The 1 metre long collapsible handle makes viewing under or above areas safer and folds away for easy storage and transportation.

Item	Order Code	Quantity	Price
230mm Lightweight Lookunder Mirror	TEST0139	1	£158.00



## 230mm Heavy Duty Lookunder Mirror with Base Light

Description: A heavy duty mirror incorporating base lights for assisting with the visual inspections of difficult to access areas on equipment.

Recommended for: The 230mm Heavy Duty Lookunder Mirror is durable, lightweight and suitable for many tough inspection environments.

The telescopic heavy-duty handle adjusts to different lengths and stays securely in place with the spring loaded locking pin and the LED Base Light is adjustable so you can view into any low lit areas.

This high quality mirror makes everything visible and can be used to view below, above and around just about any hard to see area.

Item	Order Code	Quantity	Price
230mm Heavy Duty Lookunder Mirror	TEST0140	1	£251.00



## 300mm Heavy Duty Lookunder Mirror with Base Light

Description: A heavy duty mirror incorporating base lights and castor wheel for assisting with the visual inspections of difficult to access areas on equipment.

Recommended for: The 300mm Heavy Duty Lookunder Mirror has an extra strong adjustable handle with Spring Loaded Locking Pin to hold the extended arm firmly in place. The mirror back is made from ACM (Aluminium Composite Material) which is lightweight, durable and will not rust.

Complete with heavy duty castor wheels for easy manoeuvrability. The LED Base Light is adjustable, so you can view into any low-lit areas. This high-quality mirror makes everything visible and can be used to view below, above and around just about any hard to see area.

Item	Order Code	Quantity	Price
300mm Heavy Duty Lookunder Mirror	TEST0141	1	£335.00



# Traditional Microbiological Sampling Devices

## 10ml Hygiene Swab with Neutralising Buffer

Description: 10ml Neutralising Buffer in tube, polystyrene shaft with polyester (dacron) 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 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 - Holchem Peroxides and derivatives, Phenols, Quaternary Ammonium Compounds, Amphoterics, Chlorines and Associated Halogens

Item	Order Code	Quantity	Price
Hygiene Swab with Neutralising Buffer	TEST0058	Box of 100	£80.37

## Pre-moistened Hygiene Swab with Neutralising Buffer

Description: A pre-moistened viscose tip swab in neutralising buffer.

Recommended for: Useful in hygiene surveillance and environmental monitoring of most surfaces where chemical residue neutralisation is desired. All in one swab - eliminates the need to dispose of a swab pouch or swab cap.

Item	Order Code	Quantity	Price
Pre-Moistened Hygiene Swab with Neutralising Buffer	TEST0059	Box of 250	£49.00



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



Pack size: 160 swabs  
Shelf life: 12 months at room or refrigerated temp (2 – 25 °C)

### 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.

Item	Order Code	Quantity	Price
30cm Jumbo Blue Foam Swab	TEST0060	Box of 100	£125.53



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

### 10 x 10cm<sup>2</sup> Sterile Plastic Swabbing Template

Description: 10 x 10cm<sup>2</sup> Sterile Plastic Swabbing Template. Incorporates press plate for easy sampling

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	Price
10 x 10cm <sup>2</sup> Sterile Plastic Swabbing Template	TEST0061	Box of 50	£55.73



Pack size: 50 templates  
Shelf life: 2 years at room or refrigerated temp (2 – 25 °C)

### Hygiene Sponge Sampling Kits Dosed with Neutralising Buffer

Description: Blue Sampling Sponge in Easy Open Stomacher Pouch dosed with Neutralising Buffer.

Recommended for: Environmental and hygiene monitoring where chemical residue neutralisation is desired. Sponge Sampling. 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	Price
Hygiene Sponge Sampling Kits Dosed with Neutralising Buffer	TEST0062	Box of 200	£214.09



Pack size: 200 sponges  
Shelf life: 12 months at room or refrigerated temp (2 – 25 °C)

## Floor Swab Kit

Description: Boot Swab (boot covers) for microbiological sampling of floor surfaces. Dosed with Maximum Recovery Diluent (MRD). Contains 2 pairs & gloves in medical grade bag.

Recommended for: Regular in-house microbiological monitoring of floors e.g. *Listeria* species.  
The boot swabs are worn over factory footwear by the person responsible for microbiological sampling.



Pack size: 30 swab kits  
Shelf life: 12 months at room or refrigerated temperatures (2 – 25 °C)

Item	Order Code	Quantity	Price
Boot Swab Kit	TEST0063	Box of 30	£68.09

## 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, 55mm contact plates with 220 and 400 hole sampling head option. Using standard readily available consumables at a low cost with a variety of media makes the MicroBio MB1 an economical instrument to use. The MicroBio MB1 bio aerosol sampler is an invaluable device for use in food and packaging quality assurance, indoor air quality and education. 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, now features a delay start facility.

Supplied with the MB1 Bio aerosol Sampler:

- Petri dish and contact plate spring sets
- 220 hole 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

Please note petri dishes are not included.



Item	Order Code	Quantity	Price
MicroBio MB1	TEST0064	1	£707.25
MicroBio MB1 Validation Kit	TEST0137	1	£499.00



# Rapid Surface Hygiene Tests

## 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 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	Price
SystemSURE Plus Luminometer	TEST0065	1	£897.00
UltraSnap	TEST0066	Box of 100	£159.00
SuperSnap	TEST0071	Box of 100	£195.00
AquaSnap	TEST0067	Box of 100	£180.00
Luminometer Calibration Kit	TEST0126	1	£190.00
ATP Positive Control Kit	TEST0127	Box 25 vials	£65.00

## EnSure Luminometer

Description: EnSure is a quality monitoring system that uses one instrument platform to collect, analyse, and report data from multiple quality indicators.

Recommended for: The EnSure 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 (SuperSnap) Total Viable Count, Enterobacteriaceae, Coliform, E.coli (MicroSnap).

Sensitivity – can detect down to 0.1 femtomoles of ATP. Features advanced photodiode technology (internal solid state detector is not damaged by drops or shakes) and has a memory capacity for 100 test plans, 200 user IDs and 5,000 test locations.



Swab shelf life: 15 months at refrigerated temperatures (2 – 8 °C)

Item	Order Code	Quantity	Price
EnSure Luminometer	TEST0068	1	£1,076.00
UltraSnap	TEST0066	Box of 100	£159.00
AquaSnap	TEST0067	Box of 100	£180.00
SuperSnap	TEST0071	Box of 100	£195.00
Enrichment Swab for Microsnap E.coli/Coliforms	TEST0072	Box of 100	£103.00
Enrichment Swab for Microsnap Enterobacteriaceae	TEST0073	Box of 100	£103.00
Enrichment Swab for Microsnap TVC	TEST0074	Box of 100	£103.00
2ml Enrichment Broth for E.coli/Coliforms	TEST0075	Box of 100	£120.00
9ml Enrichment Broth for MicroSnap Enterobacteriaceae	TEST0076	Box of 100	£120.00
9ml Enrichment Broth for MicroSnap TVC	TEST0077	Box of 100	£140.00
Detection Device for Coliform	TEST0078	Box of 100	£250.00
Detection Device for Enterobacteriaceae	TEST0079	Box of 100	£250.00
Detection Device for E.coli	TEST0080	Box of 100	£300.00
Detection Device for Total	TEST0081	Box of 100	£250.00
Mini Incubator (12 wells)	TEST0107	1	£206.00
12 Well Block Mini Incubator	TEST0107/01	1	£70.00
Lab Format Incubator (2 x 35 wells)	TEST0125	1	£230.00

**Can also be supplied with or 2 x 15 wells or 1 x 15 & 1 x 35 wells - please indicate configuration when ordering.**

35 Well Block Lab Format Incubator	TEST0125/02	1	£81.00
15 Well Block Lab Format Incubator	TEST0125/01	1	£101.00
Luminometer Calibration Kit	TEST0126	1	£190.00
ATP Positive Control Kit	TEST0127	Box 25 vials	£65.00

## Indicator Organism Tests

### InSite Rapid Environmental Listeria Test

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

Recommended for: Each device contains a chromogenic liquid media formulated with antibiotics, growth enhancers, and colour changing compounds specific to Listeria species. Simply swab the test area and incubate. A change in colour after 24-48 hours of incubation is considered presumptive positive for Listeria species.

Only a mini incubator is required and no additional sample handling of the sample is necessary.



Item	Order Code	Quantity	Price
50 InSite Listeria Swabs	TEST0084	Box of 50	£131.00
100 InSite Listeria Swabs	TEST0085	Box of 100	£225.00
Mini Incubator (12 wells)	TEST0107	1	£206.00
12 Well Block for Mini Incubator	TEST0107/01	1	£70.00

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.

Only a mini incubator is required and no additional sample handling of the sample is necessary.



Item	Order Code	Quantity	Price
50 InSite Salmonella Swabs	TEST0087	Box of 50	£185.00
Mini Incubator (12 wells)	TEST0107	1	£206.00
12 Well Block for Mini Incubator	TEST0107/01	1	£70.00

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

## MicroSnap

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, product samples, 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 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.

Incubation time of 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 unit in seconds.

Light output is directly proportional to initial starting inoculum.



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

Item	Order Code	Quantity	Price
Enrichment Swab for MicroSnap <i>E. coli</i> /Coliforms	TEST0072	Box of 100	£103.00
Enrichment Swab for MicroSnap Enterobacteriaceae	TEST0073	Box of 100	£103.00
Enrichment Swab for MicroSnap TVC	TEST0074	Box of 100	£103.00
2ml Enrichment Broth for <i>E. coli</i> /Coliforms	TEST0075	Box of 100	£120.00
9ml Enrichment Broth for MicroSnap Enterobacteriaceae	TEST0076	Box of 100	£120.00
9ml Enrichment Broth for MicroSnap TVC	TEST0077	Box of 100	£140.00
Detection Device for Coliform	TEST0078	Box of 100	£250.00
Detection Device for Enterobacteriaceae	TEST0079	Box of 100	£250.00
Detection Device for <i>E. coli</i>	TEST0080	Box of 100	£300.00
Detection Device for Total	TEST0081	Box of 100	£250.00
Mini Incubator (12 wells)	TEST0107	1	£206.00
12 Well Block for Mini Incubator	TEST0107/01	1	£70.00
Lab Format Incubator (2 x 35 wells)	TEST0125	1	£230.00
<b>Can also be supplied with or 2 x 15 wells or 1 x 15 &amp; 1 x 35 wells please indicate configuration when ordering.</b>			
35 Well Block Lab Format Incubator	TEST0125/02	1	£81.00
15 Well Block Lab Format Incubator	TEST0125/01	1	£101.00
EnSure Unit	TEST0068	1	£1,076.00

# Surface Residue 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



Item	Order Code	Quantity	Price
PRO-Clean	TEST0102	Box of 100	£154.00

Shelf life: 18 months at refrigerated temperatures (2 – 8 °C)

## Surface Residue Tests

### 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  $\mu$ moles D-glucose or 5.0  $\mu$ moles lactose in 60 seconds



Item	Order Code	Quantity	Price	Shelf life: 12 months at refrigerated temperatures (2 – 8 °C) 4 weeks (21-25°C)
SpotCheck Plus Swabs	TEST0103	Box of 100	£154.00	

### 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	Price	Shelf life: 24 months at room or refrigerated temperatures (2 – 25 °C)
Clean-Trace™ Surface Protein Plus Swabs	SKS00860	Box of 100	£169.05	





# 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 utilize 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. 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	Quantity
Reveal 3-D Almond	TEST0005	Box of 10
Reveal 3-D Crustacea	TEST0006	Box of 10
Reveal 3-D Egg	TEST0012	Box of 10
Reveal 3-D Gluten	TEST0002	Box of 10
Reveal 3-D Gliadin R5	TEST0047	Box of 20
Reveal 3-D Hazelnut	TEST0004	Box of 10
Reveal 3-D Mustard	TEST0048	Box of 10
Reveal 3-D Peanut	TEST0003	Box of 10
Reveal 3-D Sesame	TEST0049	Box of 10
Reveal 3-D Soy	TEST0019	Box of 10
Reveal 3-D Total Milk	TEST0001	Box of 10
Reveal 3-D Multi-Treenut (almond, hazelnut, pecan, walnut, cashew & pistachio)	TEST0053	Box of 10

Prices: Neogen test kits start from £83.00 (Quantity 1-4), £70.00 (Quantity 5-9) and £67.00 (Quantity +10).  
NB This does not include 3D Gliadin kits (TEST0047) - £165.00 and Multi-Treenut - £160.00.



Swab shelf life:  
Minimum 3 months  
at refrigerated  
temperatures (2 - 8 °C)

## Specific Allergen Tests



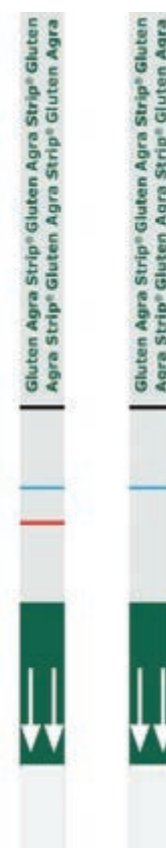
### AgraStrip® Allergen Test Strips

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 application in the production 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.

Item	Order Code	Quantity
AgraStrip Almond	TEST0024	Box of 10
AgraStrip Brazil Nut	TEST0025	Box of 10
AgraStrip B Lactoglobulin	TEST0044	Box of 10
AgraStrip Casein	TEST0026	Box of 10
AgraStrip Cashew/Pistachio	TEST0027	Box of 10
AgraStrip Coconut	TEST0038	Box of 10
AgraStrip Crustacea	TEST0045	Box of 10
AgraStrip Egg	TEST0028	Box of 10
AgraStrip Gluten G12	TEST0029	Box of 10
AgraStrip Hazelnut	TEST0031	Box of 10
AgraStrip Lupin	TEST0035	Box of 10
AgraStrip Macadamia Nut	TEST0036	Box of 10
AgraStrip Mustard	TEST0032	Box of 10
AgraStrip Peanut	TEST0037	Box of 10
AgraStrip Sesame	TEST0033	Box of 10
AgraStrip Soy	TEST0039	Box of 10
AgraStrip Total Milk	TEST0046	Box of 10
AgraStrip Walnut	TEST0034	Box of 10



Swab shelf life: 6-12 months at ambient room temperatures

Prices: Agrastrip Allergen Kit prices start from £84.15/€102.00 (Quantity 1-4), £74.25/€89.84 (Quantity 5-9) and £68.00/€82.28 (Quantity + 10). NB This does not include Total Milk Kit (TEST0046) prices start from £102.00/€122.00 (Quantity 1-4), £89.70/€107.28 (Quantity 5-9) and £82.15/€98.25 (Quantity +10).

# Specific Allergen Tests

## Test In A Box - Fish On-Site Swab Test Kit

Description: This test utilises a combination of antibodies which enables detection of an antigen common for all bony fish.

Recommended for: The test is based on the technique of immunochromatography, a migration technique which uses specific antibodies to the allergen. It is able to detect protein residues from surface swabs used for the validation and verification of cleaning procedures in food production zones.

The test detects for the following raw fish species:

Anchovy , Anglerfish, Cod, Catfish, Flounder, Grouper  
Hake, Halibut, Mackerel, Orange Roughy, Pike, Salmon  
Sardine, Sea Bass, Sea Bream, Snapper, Sole, Swordfish  
Trout, Tuna, Turbot



Pack size: 1 box Shelf life: Store in cool, dry conditions at 4-25°C

Item	Order Code	Quantity	Price
Fish On-Site Swab Test Kit	TEST0105	Box of 1	£12.50

## 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

Item	Order Code	Quantity	Price
AllerSnap Swabs	TEST0106	Box of 100	£185.00
Mini incubator (12 wells)	TEST0107	1	£206.00
12 Well Block for Mini Incubator	TEST0107/01	1	£70.00
Lab Format Incubator (2 x 35 wells)	TEST0125	1	£230.00

Can also be supplied with or 2 x 15 wells or 1 x 15 & 1 x 35 wells - please indicate configuration when ordering

35 Well Block	TEST0125/02	1	£81.00
15 Well Block Lab	TEST0125/01	1	£101.00

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





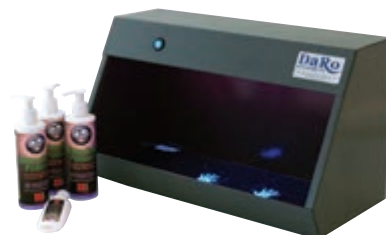
# Hand Hygiene Sampling Devices

## 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.

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



Item	Order Code	Quantity	Price
UV Cabinet	TEST0108	1	£168.00
Replacement UV Bulb	TEST0109	1	£19.75
Carry Case	TEST0110	1	£19.75

## 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 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	Price
Glitterbug lotion	TEST0111	1	£20.80

## Hand Hygiene Swab with MRD Buffer

Description: Liquid maximum recovery diluent (MRD)/peptone saline diluent medium in tube with a hygiene label. Includes a polystyrene shaft/viscose tip swab in a peelable pouch.

Recommended for: Convenient analysis for non-disinfected equipment surfaces or hand swabbing - contains no harsh chemicals, therefore safe to use on hands. Excellent recovery of organisms including: TVC, Listeria spp., Staphylococci, Enterobacteriaceae e.g. Salmonella, E.coli, Enterobacter.

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



Item	Order Code	Quantity	Price
Hand Hygiene swab with MRD buffer	TEST0112	Box of 100	£71.18



# Chemical Tests

## Chemical Titration Kits

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 Holchem chemical detergent and disinfectant range



### Acid Test Kit

Recommended for checking the chemical concentrations of Holchem acid detergent products

Item	Order Code	Quantity	Price
Acid dropper test kit	SKS00801	1	£29.56
Acid dropper test kit individual reagents – PA1 indicator (65ml)	SKS00800/01	1	£5.18
Acid dropper test kit individual reagents – PA1 indicator (500ml)	SKS00843/1	1	£24.73
Acid dropper test kit individual reagents – ACD3 (65ml)	SKS00801/01	1	£5.94



### Alkaline Test Kit

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

Item	Order Code	Quantity	Price
Alkaline dropper test kit	SKS00800	1	£29.56
Alkaline dropper test kit individual reagents - PA1 indicator (65ml)	SKS00800/01	1	£5.18
Alkaline dropper test kit individual reagents- PA1 indicator (500ml)	SKS00843/1	1	£24.73
Alkaline dropper test kit individual reagents - PA2 acid solution (65ml)	SKS00800/02	1	£5.56
Alkaline dropper test kit individual reagents - PA2 acid solution (500ml)	SKS00843/2	1	£24.73
Alkaline dropper test kit individual reagents - Sodium Thiosulphate Crystals	SKS00800/03	1	£5.18



### Anionic Test Kit

Recommended for checking the chemical concentrations of Holchem anionic detergent products

Item	Order Code	Quantity	Price
Anionic dropper test kit	TEST0016	1	£29.56
Anionic dropper test kit individual reagents- AN1 (65ml)	TEST0020	1	£6.00
Anionic dropper test kit individual reagents - AN2 (65ml)	TEST0021	1	£6.00
Anionic dropper test kit individual reagents- AN3 (65ml)	TEST0022	1	£6.00



#### Item

- Available chlorine dropper test kit
- Available chlorine dropper test kit individual reagents – CL1 (65ml)
- Available chlorine dropper test kit individual reagents – CL2 (65ml)
- Available chlorine dropper test kit individual reagents – CL3 (65ml)

#### Available Chlorine Test Kit

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

Order Code	Quantity	Price
SKS00802	1	£37.22
SKS00802/06	1	£5.78
SKS00802/05	1	£14.17
SKS00802/04	1	£5.71



#### Item

- Catering Test Kit

#### Catering Test Kit

Recommended for checking the chemical concentrations of the Holchem Food Service, Hospitality and Retail range for products.

Order Code	Quantity	Price
TEST0041	1	£80.00



#### Item

- Farmsan dropper test kit
- Farmsan test kit individual reagents – CL3 (65ml)

#### Farmsan Test Kit

Recommended for checking the chemical concentration of Holchem Farmsan disinfectants.

Order Code	Quantity	Price
SKS00812	1	£21.93
SKS00802/04	1	£5.71



### Free Chlorine Test Kit

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

Item	Order Code	Quantity	Price
Free chlorine dropper test kit	SKS00832	1	£37.50
Free chlorine dropper test kit individual reagents - FCL1 (65ml)	TEST0008	1	£5.38
Free chlorine dropper test kit individual reagents - FCL1 (500ml)	TEST0010	1	£21.50
Free chlorine dropper test kit individual reagents - FCL3 (65ml)	TEST0009	1	£8.60
Free chlorine dropper test kit individual reagents - FCL 3 (500ml)	TEST0011	1	£32.25



### Hydrogen Peroxide Test Kit

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

Item	Order Code	Quantity	Price
Hydrogen peroxide dropper test kit	TEST0017	1	£37.00



### Neutral Test Kit

Recommended for checking the chemical concentrations of Holchem neutral products

Item	Order Code	Quantity	Price
Neutral dropper test kit	SKS00809	1	£29.56
Neutral dropper test kit individual reagents - TA1 Methyl orange indicator (65ml)	SKS00809/01	1	£5.00
Neutral dropper test kit individual reagents- PA2 acid solution (65ml)	SKS00800/02	1	£5.56
Neutral dropper test kit individual reagents- PA2 acid solution (500ml)	SKS00843/2	1	£24.73



### Peracetic Acid Test Kit

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

Item	Order Code	Quantity	Price
Perbac, Perbac Farm, Protect HC505 & Crystal dropper test kit,	SKS00834	1	£33.57
Perbac 15, Crystal Plus dropper test kit	SKS00835	1	£33.57
Perbac OPD dropper test kit	SKS00836	1	£33.57
Peracetic acid dropper test kit individual reagents 0.4N Sodium Thiosulphate (65ml)	SKS00833	1	£6.45
Peracetic acid dropper test kit individual reagents- Potassium iodide crystals (25g)	SKS00811/03	1	£6.45
Peracetic acid dropper test kit individual reagents- Potassium iodide crystals (500g)	SKS00811/160	1	£100.00
Peracetic acid dropper test kit individual reagents - Acid Ammonium Molybdate (250ml)	SKS00811/04	1	£26.52



### QAC Test Kit

Recommended for checking the chemical concentrations of Holchem QAC products.

Item	Order Code	Quantity	Price
QAC dropper test kit	SKS00803	1	£29.56
QAC dropper test kit individual reagents - QA1 (65ml)	SKS00803/01	1	£7.44
QAC dropper test kit individual reagents - QA1 (500ml)	SKS00844/1	1	£32.25
QAC dropper test kit individual reagents - QA2 (65ml)	SKS00803/02	1	£5.56
QAC dropper test kit individual reagents - QA2 (500ml)	SKS00844/2	1	£24.73
QAC dropper test kit individual reagents - QA3 (65ml)	SKS00803/03	1	£7.45
QAC dropper test kit individual reagents - QA3 (500ml)	SKS00844/3	1	£32.25



### Residual Edta Test Kit

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

Item	Order Code	Quantity	Price
Residual EDTA dropper test kit	SKS00810	1	£32.86



### Total Edta Test Kit

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

Item	Order Code	Quantity	Price
Total EDTA dropper test kit	SKS00805	1	£35.50
Total EDTA dropper test kit individual reagents – 0.01M copper sulphate (65ml)	SKS00805/01	1	£5.00
Total EDTA dropper test kit individual reagents – 5M acetic acid (65ml)	SKS00805/02	1	£6.25
Total EDTA dropper test kit individual reagents – PAN indicator (65ml)	SKS00805/03	1	£6.45



### Triamine Test Kit

Recommended for checking the chemical concentrations of Holchem Triamine products.

Item	Order Code	Quantity	Price
Triamine dropper test kit	TEST0051	1	£30.00
Triamine dropper test kit individual re-agents - TA01 (65ml)	TEST0051/01	1	£6.00
Triamine dropper test kit individual re-agents – TA02 (65ml)	TEST0051/02	1	£6.00
Triamine dropper test kit individual re-agents – TA01 (500ml)	TEST0054	1	£25.00
Triamine dropper test kit individual re-agents – TA02 (500ml)	TEST0052	1	£25.00



### Ultralube Test Kit

Recommended for checking the chemical concentrations of Holchem Ultralube products.

#### Item

- Ultralube dropper test kit
- Ultralube dropper test kit individual reagents – PA1 indicator (65ml)
- Ultralube dropper test kit individual reagents – PA1 indicator (500ml)

#### Order Code

#### Quantity

#### Price

SKS00815	1	£27.50
SKS00800/01	1	£5.18
SKS00843/1	1	£24.73



### Total Water Hardness Test Kit

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

#### Item

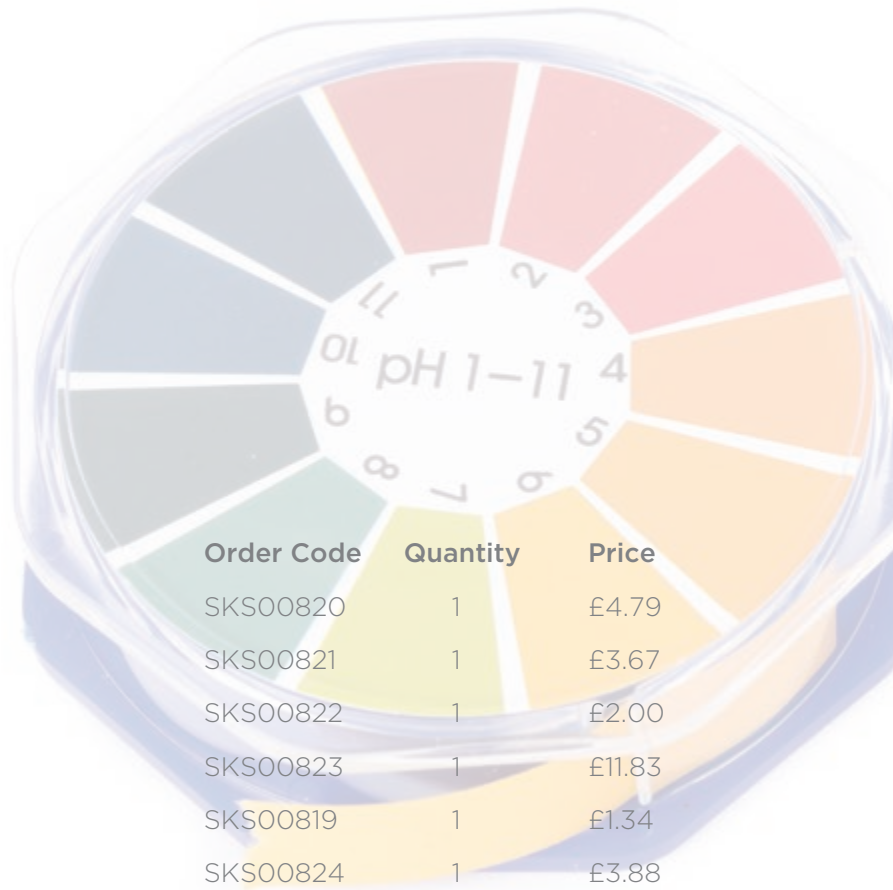
- Water hardness dropper test kit
- Water hardness dropper test kit individual reagents – H (65ml)
- Water hardness dropper test kit individual reagents – TH2 (65ml)
- Water hardness dropper test kit individual reagents – TH5 (65ml)
- Pocket water hardness kit

#### Order Code

#### Quantity

#### Price

SKS00804	1	£29.82
SKS00804/01	1	£6.14
SKS00804/02	1	£5.31
SKS00804/03	1	£12.02
SKS00816	1	£7.00



## TEST KIT CONSUMABLES

Item	Order Code	Quantity	Price
5ml syringe	SKS00820	1	£4.79
10ml syringe	SKS00821	1	£3.67
20ml syringe	SKS00822	1	£2.00
Polycarbonate test jar	SKS00823	1	£11.83
Dropper bottle for test kit	SKS00819	1	£1.34
Metal spatula	SKS00824	1	£3.88

## Chemical Testing Papers & 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 Holchem chemical disinfectants and for the presence of cleaning chemicals on surfaces and in rinse waters.

Item	Order Code	Quantity	Price
Chlorine test strips (25-500ppm available chlorine) (100 strips)	SKS00839/25-500	1	£80.63
Peracetic acid test strips (0-50ppm PAA) (100 strips)	SKS00840/0-50	1	£127.12
Peracetic acid test strips (100-500ppm PAA) (100 strips)	SKS00840/100-500	1	£120.94
QAC test strips with dispenser (4.5 metres)	SKS00841	1	£12.90
QAC test strips (refill 5 x 4.5 metre rolls)	SKS00841/01	1	£30.24
Triamine test strips 100 strips	TEST0133	1	£32.00
pH paper (pH1-14) (5 metres)	SKS00842	1	£18.15
Phenolphthalein test strips (200 strips)	TEST0040	1	£6.00



# Temperature, pH and Conductivity Monitoring Equipment



## 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 measure temperature 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	Price
Thermocouple ThermaData Logger	TEST0113	1	£120.00
PTFE wire probe	TEST0114	1	£9.00

## CaterTemp Thermometer and Probe

Description: A professional digital thermometer

Recommended for: The CaterTemp digital thermometer is housed in a durable case which contains 'Biomaster' additive which helps to reduce microbial growth.

The CaterTemp can be used to measure temperatures ranging from -49.9 to 299.9°C and also features a bright easy to read LCD display. The unit is powered by three 1.5V AAA batteries which should provide a minimum of five years battery life; this is aided by the automatic power off feature.

The thermometer is supplied with a permanently attached 130mm stainless steel probe and a one metre coiled lead.

Item	Order Code	Quantity	Price
CaterTemp Thermometer And Probe	TEST0115	1	£68.00



## RayTemp 28 High Temperature Infrared Thermometer

Description: A dual laser non-contact thermometer for the precise targeting of temperatures

Recommended for: The RayTemp 28 is a non-contact dual laser thermometer which allows the user to target difficult to reach or small areas and measure the temperature accordingly.

The thermometer features:

- Wide temperature range (-50 to 1370°C).
- IP54 robust splash proof case.
- Dual laser for precise targeting.
- Mode selection to allow the user to monitor maximum, minimum and average temperatures.
- Easy to read custom LCD display.

Item	Order Code	Quantity	Price
RayTemp 28 High Temperature Infrared Thermometer	TEST0138	1	£130.00



## DishTemp Thermometer

Description: A waterproof thermometer for measuring dishwasher temperatures

Recommended for: The DishTemp Thermometer simulates a plate as it's cleaned and sanitised within a commercial dishwasher. The thermometer accurately records the maximum surface temperature at the touch of a single button, eliminating the need for test strips and stem thermometers, which may not stay in place and may not record temperature at the plate surface.

The DishTemp Thermometer indicates temperatures over the range of 0 to 90 °C (resolution of 0.1 °C/°F and an accuracy of  $\pm 0.5$  °C) and is supplied complete with a traceable certificate of calibration. The DishTemp is waterproof to IP66.

Item	Order Code	Quantity	Price
DishTemp Thermometer	TEST0116	1	£30.00



## Thermo Temperature Strips

Description: A range of self-adhesive irreversible temperature strips for general purpose temperature monitoring

Recommended for: Attaching to the outside of vessels and pipework to verify maximum temperatures achieved during cleaning.

Item	Order Code	Quantity	Price
40-71°C Thermo Temperature Strips	TEST0136	Pack of 10	£42.00
77-116°C Thermo Temperature Strips	TEST0134	Pack of 10	£42.00
121-160°C Thermo Temperature Strips	TEST0135	Pack of 10	£42.00



## 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 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	Price
Pocket Water Resistant pH Tester	TEST0069	1	£120.50
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	£15.50
pH Electrode Storage Solution	TEST0082	1 x 500ml	£21.00

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 uS/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:

- 1413µS/cm conductivity calibration solution



Item	Order Code	Quantity	Price
Portable Multi-range Conductivity Meter	TEST0070	1	£513.50
1413µS/cm Conductivity Solution	TEST0088	1 x 230ml	£14.10

### 180ml Sterile & Aseptic Sample Dipper Pots

Description: Blue polypropylene sample dipper pots

Recommended for: Blue polypropylene bottle with snap handle and screw cap. The containers are designed for sample collection and dispatch, for testing in the same container, eliminating the risk of cross-contamination.

The sterile dipper pots are gamma sterilised and individually packed in a sealed zip bag to guarantee sample integrity.



Item	Order Code	Quantity	Price
180ml Aseptic Sample Dipper Pots	TEST0092	Box of 100	£120.00

### 200ml Sterile & Aseptic Sample Containers

Description: Clear 200ml sample containers

Recommended for: The straight walled vessels are ideal for sample collection, storage and transport and feature twist closure for quick opening and closing, with leakproof inner lip.

The containers are available in either sterile or aseptic format.

The sterile containers are manufactured from polystyrene which provides a good level of thermal and chemical resistance.

The aseptic containers are manufactured from polypropylene which provides an excellent level of thermal and chemical resistance.



Item	Order Code	Quantity	Price
200ml Sterile Sample Containers	TEST0093	Box of 162	£168.00
200ml Aseptic Sample Containers	TEST0094	Box of 162	£137.00

LEADERS IN HYGIENE TECHNOLOGY





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