



LEADERS IN HYGIENE TECHNOLOGY



Validation Monitoring & Verification Tests

2020



Contents

Page	1 - 7	Visual Assessment Devices
Page	8 - 10	Traditional Microbiological Sampling Devices
Page	11 - 20	Rapid Surface Hygiene Tests
Page	21 - 26	Rapid Allergen Tests
Page	27	Hand Hygiene Sampling Devices
Page	28 - 36	Chemical Tests
Page	37 - 43	Temperature, pH, Conductivity & Time Monitoring
Page	44	Aseptic & Sterile Sample Containers
Page	45	Metal Detectable Stationary

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

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

How To Order

Phone: 01706 238520

Email: engineeringales@holchem.co.uk

Web: www.holchem.co.uk/shop

For full terms and conditions please visit the Holchem website

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

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 5W High Output LED 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. 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

The blue UV Glow Wax (a non-hazardous petroleum based gel) can be applied to surfaces scheduled for cleaning for training purposes. 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.



UV 5W Torch



UV Blocking Spectacles

Item	Order Code	Quantity	Price
UV 5W Torch	TEST0055	1	£328.57
UV Blocking Spectacles	TEST0056	1	£40.17
Blue UV Glow Wax	TEST0089	1	£7.69



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	£45.99

Ridgid Seesnake Micro Explorer Inspection Camera CA-350

Description: The Ridgid Seesnake Micro Explorer Inspection Camera CA-350 is a pipe work inspection camera.

Recommended for: The Ridgid Seesnake Micro Explorer Inspection Camera CA-350 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.
- Includes a battery, charger, USB cable, hook, magnet, mirror accessories, RCA cable, AC adapter, headset with microphone and an 8GB SD card.



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-350 camera can also be used with the 20 metre MicroDrain reel for inspecting drains at the end of cleaning. This features a 22mm camera head and a 20 metre cable length within a durable easy to clean casing.

Item	Order Code	Quantity	Price
Ridgid Seesnake Micro Explorer Inspection Camera CA-350	TEST0117/01	1	£449.00
Ridgid SeeSnake 3 ft Extension Cable	TEST0118	1	£35.00
Ridgid SeeSnake 6 ft Extension Cable	TEST0119	1	£67.00
Ridgid MicroDrain 20m Reel with CA-350 Camera	TEST0120/01	1	£2,950.00



Telescopic Pole Search Camera 4 Metre

Description: An inspection camera for inspecting hygiene standards in difficult to reach high level areas.

Recommended for: Inspecting high level surfaces to verify hygiene standards.

The DS100 can be a Pole mounted or free-standing system allowing the operator complete flexibility of movement whilst carrying out inspections. The Battery pack provides up to 8 hours of constant use and multiple packs can be carried for continual inspections.

The Infra-Red Camera provides clear high-resolution colour images in daylight and switches to infra-red in low light to provide clear black and white images at distances of up to 50ft. The camera is mounted on a telescopic pole with a collapsed length of 1.2 metres and extends up to 4 metres allowing hygiene inspections without having to worry about working at heights regulations or moving obstacles.

The camera head is fitted with a unique friction joint allowing the head to be articulated between 0° and 110°. Articulation can be achieved manually by adjusting the camera head against the friction joint to the desired angle. Articulation can also be achieved by placing the camera head against a fixed object and pushing or pulling the head to the desired angle. This is a real benefit when carrying out room hygiene inspections as the camera doesn't need to be collapsed to carry out a full inspection.

The monitor has an SD Card slot for capturing Video and Still Images. The system comes complete with an SD Card and will take a maximum of a 32GB card.

Camera Field of View - 90°.

The kit is packed in a rugged shoulder bag and hard case for easy transportation and deployment.

Includes:

- 5" TFT Colour Monitor.
- 1m Curly Cable.
- 4m Telescopic Camera Pole.
- Pole Slip Bracket.
- SD Card.
- Battery Charger 12V 230Vac 50Hz UK3 Pin.
- Hard Case.



Item	Order Code	Quantity	Price
Telescopic Pole Search Camera 4 Metre	TEST0174	1	£1,899.00

Articulating Probe Inspection Borescope with Wireless Colour Display

Description: An Inspection camera for inspecting vessels and pipework.

Recommended for: Inspecting pipework and vessel internals to validate and verify cleaning results.

This portable articulated inspection camera comes with a 90mm (3.5") TFT wireless colour display. The mini 5.5mm camera and 1m flexible gooseneck are water resistant. Using a dial on the camera you can change the angle of the camera head up to 270° without having to remove the camera from the inspection area. This feature allows easy use of the camera in hard to reach areas and is ideal for diagnosing and solving problems in pipes and equipment. Using a micro SD card (2GB supplied) you can record videos (AVI) and store photos (JPEG) of your findings and this camera has the capability to support a 32GB micro SD card. You can download your videos and photos to a PC or laptop with a date and time stamp for saving and use as attachments to emails or reports.



Features:

- 90mm (3.5") TFT wireless colour display, 720 x 625 pixels (up to 10m transmission)
- Water-resistant IP-67 5.5mm camera head and 1m flexible gooseneck-dust-protected and protected against water jetting
- The camera head and gooseneck cable can be used within the temperature range 0 - 50°C
- Articulated camera head with 270° viewing angle
- Picture zoom function up to 3x standard
- 4 adjustable dual bright white LED lights
- Supplied with 1m gooseneck 5.5mm articulated camera, rechargeable Li-Ion battery, AC/DC mains power charger, 2 x carry cases & 2GB micro SD card with SD card adapter

Item	Order Code	Quantity	Price
Articulating Probe Inspection Borescope	TEST0144	1	£849.75

USB Video Borescope with Wireless Display

Description: A portable video borescope for inspecting vessels and pipework

Recommended for: Inspecting pipework and vessel internals to validate and verify cleaning results.

This portable video Borescope comes with a 90mm (3.5") TFT wireless colour display. The 9mm camera and 1m flexible gooseneck are water-resistant. Using a microSD card up to 32GB (not supplied) it can capture still images (JPEG) or video (AVI) for download to a PC or laptop with a date and time stamp. These can then be saved and used as attachments to emails or reports



Features:

- 90mm (3.5") TFT wireless colour display (up to 10m transmission)
- Water-resistant IP-67 9mm camera head - dust-protected and protected against water jetting
- Glare free close up and wide field of view (45°)
- 4 Adjustable dual bright white LED lights
- 1m flexible gooseneck can be pre-formed to a configured shape
- Clip-on mirror, magnet and hook attachments for object retrieval
- PAL video output and cable
- The VB-48 optional camera is HD Format giving hi-contrast and exceptionally clear sharp images. Supplied with 1m gooseneck 9mm camera, USB download cable, AV out cable, clip-on mirror, magnet and hook attachments, carry case and AC/DC mains power charger.

Item	Order Code	Quantity	Price
USB Video Borescope	TEST0154	1	£216.30

20 Metre Pipe Inspection Camera System

Description: A portable video borescope for inspecting up to 20 metre lengths of pipework

Recommended for: Inspecting pipework and drains

The AVB-710 Portable Pipe Inspection Camera System has a 20-metre long fibreglass rod cable. The 23mm heavy-duty stainless-steel camera head has 12 adjustable white ultra-bright LED lights with a scratch proof sapphire glass camera lens. It is water and dust proof to IP-68 capable of withstanding pressures up to 1 bar (under water 10m).

They are ideal for inspection applications in general floor drains and pipework, boiler and heat exchanger tubes, steam feed lines, chimneys, ducting etc.

The cable frame is made of stainless steel. It is rugged and built to withstand the rigours of pipe inspections in the harshest of working conditions.

The whole system is powered by a 12V 14W LI-ION battery. The charge time is 5 hours and has a working capacity of over 4 hours.

There are 2 camera head skids of 40mm and 80mm to aid centralisation of the camera head in various pipe sizes and negotiate various bends.

The display and control monitor have a 315 x 40mm high contrast and high resolution TFT colour display with up, down, left and right adjustment.

Incorporated is an 8GB SD Card data storage system with date and time stamp. This can be used to capture still or video images with the option of voice over recording and / or text edit reporting via the keyboard. These data recordings can be saved and can be attached to reports or emails.

Features:

- Stainless Steel frame
- 23mm heavy duty camera
- 12 adjustable ultra-bright LED lights
- Over 4 hours working battery capacity
- Centralising camera skids
- Large clear TFT display
- Image, video and audio data storage
- Supplied complete with a rugged briefcase style carry case, Stainless Steel cable frame, 20 metre cable, camera head, 2 skids 40mm and 80mm, display control monitor, keyboard, charger and battery.



Item	Order Code	Quantity	Price
20 Metre Pipe Inspection Camera System	TEST0153	1	£1,236.00

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	£38.63
ATP VB-END10 10 m USB Inspection Camera	TEST0122	1	£46.35



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, Amphoteric, Chlorines and Associated Halogens



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

Item	Order Code	Quantity	Price
Hygiene Swab with Neutralising Buffer	TEST0058	Box of 100	£85.02

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.



Pack size: 250 swabs
Shelf life: 12 months at room or refrigerated temp (2 - 25 °C)

Item	Order Code	Quantity	Price
Pre-Moistened Hygiene Swab with Neutralising Buffer	TEST0059	Box of 250	£71.02

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	Price
30cm Jumbo Blue Foam Swab	TEST0060	Box of 100	£132.79

10 x 10cm² Sterile Plastic Swabbing Template

Description: 10 x 10cm² 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.



Pack size: 40 templates
Shelf life: 2 years at room or refrigerated temp (2 - 25 °C)

Item	Order Code	Quantity	Price
10 x 10cm ² Sterile Plastic Swabbing Template	TEST0061	Box of 40	£47.15

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.



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

Item	Order Code	Quantity	Price
Hygiene Sponge Sampling Kits Dosed with Neutralising Buffer	TEST0062	Box of 200	£228.23

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. 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	£728.47
MicroBio MB1 Validation Kit	TEST0137	1	£513.97
MicroBio MB1 Calibration Service		1	£82.40



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: 15 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	£1,070.00
UltraSnap	TEST0066	Box of 100	£170.00
SuperSnap	TEST0071	Box of 100	£209.00
AquaSnap	TEST0067	Box of 100	£193.00
Luminometer Calibration Kit	TEST0126	1	£239.00
ATP Positive Control Kit	TEST0127	Box 25 vials	£84.00
LED Calibration Control Rod	TEST0190	1	£425.00

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 (SuperSnap)
- Total Viable Count, Enterobacteriaceae, Coliform, E.coli (MicroSnap)

EnSURE™ Touch's responsive, shatter-proof touchscreen design puts all the functionality and features of Hygiena'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 Hygiena 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: 15 months at refrigerated temperatures (2 - 8 °C)

Item	Order Code	Quantity	Price
EnSure Touch Luminometer	TEST0175	1	£1,530.00
UltraSnap	TEST0066	Box of 100	£170.00
AquaSnap	TEST0067	Box of 100	£193.00
SuperSnap	TEST0071	Box of 100	£209.00
Enrichment Swab for Microsnap E.coli/Coliforms	TEST0072	Box of 100	£123.00
Enrichment Swab for Microsnap Enterobacteriaceae	TEST0073	Box of 100	£123.00
Enrichment Swab for Microsnap TVC	TEST0074	Box of 100	£123.00
2ml Enrichment Broth for E.coli/Coliforms	TEST0075	Box of 100	£142.00
9ml Enrichment Broth for MicroSnap Enterobacteriaceae	TEST0076	Box of 100	£142.00
9ml Enrichment Broth for MicroSnap TVC	TEST0077	Box of 100	£166.00
Detection Device for Coliform	TEST0078	Box of 100	£299.00
Detection Device for Enterobacteriaceae	TEST0079	Box of 100	£299.00
Detection Device for E.coli	TEST0080	Box of 100	£359.00
Detection Device for Total	TEST0081	Box of 100	£299.00
Mini Incubator (requires 12 wells)	TEST0107	1	£258.00
12 Well Block for Mini Incubator	TEST0107/01	1	£89.00
Lab Format Incubator (requires 2 x 35 wells)	TEST0125	1	£289.00
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 for Lab Format Incubator	TEST0125/02	1	£102.00
15 Well Block for Lab Format Incubator	TEST0125/01	1	£129.00
Luminometer Calibration Kit	TEST0126	1	£239.00
ATP Positive Control Kit	TEST0127	Box 25 vials	£84.00
LED Calibration Control Rod	TEST0190	1	£425.00



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	£147.00
100 InSite Listeria Swabs	TEST0085	Box of 100	£241.00
Mini Incubator (12 wells)	TEST0107	1	£258.00
12 Well Block for Mini Incubator	TEST0107/01	1	£89.00

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.

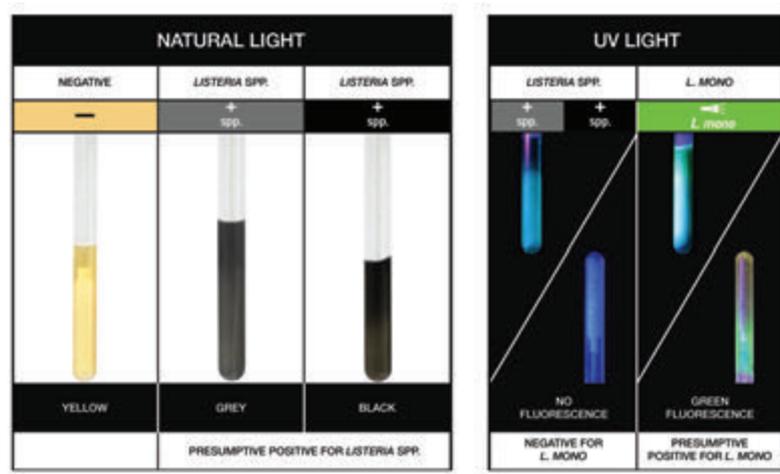
Only a mini incubator and a UV torch is required, and no additional sample handling of the sample is necessary.

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.



Item	Order Code	Quantity	Price
50 InSite L mono Glo Swabs	TEST0192	1	£175.00
UV 5W Torch	TEST0055	1	£328.57
UV Blocking Spectacles	TEST0056	1	£40.17
Mini Incubator (12 wells)	TEST0107	1	£258.00
12 Well Block for Mini Incubator	TEST0107/01	1	£89.00



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	£209.00	Shelf life: 12 months at refrigerated temperatures (2 - 8 °C)
Mini Incubator (12 wells)	TEST0107	1	£258.00	
12 Well Block for Mini Incubator	TEST0107/01	1	£89.00	

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.

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 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	Price
Enrichment Swab for MicroSnap <i>E. coli</i> /Coliforms	TEST0072	Box of 100	£123.00
Enrichment Swab for MicroSnap Enterobacteriaceae	TEST0073	Box of 100	£123.00
Enrichment Swab for MicroSnap TVC	TEST0074	Box of 100	£123.00
2ml Enrichment Broth for <i>E. coli</i> /Coliforms	TEST0075	Box of 100	£142.00
9ml Enrichment Broth for MicroSnap Enterobacteriaceae	TEST0076	Box of 100	£142.00
9ml Enrichment Broth for MicroSnap TVC	TEST0077	Box of 100	£166.00
Detection Device for Coliform	TEST0078	Box of 100	£299.00
Detection Device for Enterobacteriaceae	TEST0079	Box of 100	£299.00
Detection Device for <i>E. coli</i>	TEST0080	Box of 100	£359.00
Detection Device for Total	TEST0081	Box of 100	£299.00
Mini Incubator (12 wells)	TEST0107	1	£258.00
12 Well Block for Mini Incubator	TEST0107/01	1	£89.00
Lab Format Incubator (2 x 35 wells)	TEST0125	1	£289.00
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 for Lab Format Incubator	TEST0125/02	1	£102.00
15 Well Block for Lab Format Incubator	TEST0125/01	1	£129.00
EnSure™ Touch Luminometer	TEST0175	1	£1,530.00

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	£155.00
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 µmoles D-glucose or 5.0 µmoles 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	£177.00	

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	£174.00	



Raw Meat Speciation Test Kits

Bio check Raw Meat Species Test Kits

The Raw Meat Species FlowThrough™ Swab tests take under 8 minutes to perform, detecting the relevant species-specific protein at µg levels on food contact surfaces.

The test consists of just two components, an innovative swab device and the test unit, no special equipment or training is required. This makes the FlowThrough™ swab tests so simple and easy to perform.



Item	Order Code	Quantity	Price
Raw Meat Speciation FlowThrough - Cow	TEST0160	1 Box of 5 Tests	£99.00
Raw Meat Speciation FlowThrough - Horse	TEST0161	1 Box of 5 Tests	£99.00
Raw Meat Speciation FlowThrough - Pig	TEST0162	1 Box of 5 Tests	£99.00
Raw Meat Speciation FlowThrough - Poultry	TEST0163	1 Box of 5 Tests	£99.00
Raw Meat Speciation FlowThrough - Sheep	TEST0164	1 Box of 5 Tests	£99.00

Biofilm Detection Test

BioFinder BioFilm Detection Solution

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

It consists of a series of solutions, chemicals products and reagents, which in the presence of active micro-organisms, 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.

Biofinder has an orange 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.
- Biofinder is safe to use, non-staining, leaves no residues and rinses easily.
- Contamination is detected within 30 seconds of application.
- Biofinder is extremely cost effective and significantly strengthens your cleaning verification and monitoring processes.



Item	Order Code	Quantity	Price
BioFinder (3 x 500ml)	TEST0176	1	£99.00
BioFinder (8 x 500ml)	TEST0177	1	£300.00
BioFinder (15 x 250ml)	TEST0178	1	£299.00

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, each AgraStrip allergen test includes 10 test strips.

Item	Order Code	Quantity 1-4	Quantity 5-9	Quantity 10+
AgraStrip Almond	TEST0024	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23
AgraStrip Brazil Nut	TEST0025	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23
AgraStrip B Lactoglobulin	TEST0044	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23
AgraStrip Casein	TEST0026	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23
AgraStrip Cashew/Pistachio	TEST0027	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23
AgraStrip Coconut	TEST0038	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23
AgraStrip Crustacea	TEST0045	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23
AgraStrip Egg	TEST0028	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23
AgraStrip Gluten G12	TEST0029	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23
AgraStrip Hazelnut	TEST0031	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23
AgraStrip Lupin	TEST0035	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23
AgraStrip Macadamia Nut	TEST0036	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23
AgraStrip Mustard	TEST0032	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23
AgraStrip Peanut	TEST0037	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23
AgraStrip Sesame	TEST0033	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23
AgraStrip Soy	TEST0039	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23
AgraStrip Total Milk	TEST0046	£104.00/€119.60	£91.50/€105.23	£84.00/€96.60
AgraStrip Walnut	TEST0034	£88.00/€101.20	£78.00/€89.70	£71.50/€82.23

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

Enzyme Linked Immuno Sorbent Assay (ELISA) & Polymerase Chain Reaction (PCR) Testing Services

ELISA is an immunological detection method by which specific antibodies bind to proteins and small molecules; this technique allows for the simultaneous measurement of multiple samples.

PCR analysis is a highly specific DNA-based test method, which allows for the detection of specific sequences of genes. A very small amount of DNA is copied multiple times by the polymerase and can thus be detected. Real-time PCR is used to amplify and simultaneously detect or quantify a targeted DNA molecule.

Holchem can arrange with Romer Labs for surface swab samples to be tested using ELISA or PCR test for the following allergens (*please contact Holchem for a quotation*):

- Almond
- β -Lactoglobulin (BLG)
- Casein
- Cashew
- Crustacean
- Egg White Protein
- Fish
- Gluten
- Hazelnut
- Lupin
- Macadamia
- Milk
- Mustard
- Peanut
- Pistachio
- Sesame
- Soy
- Walnut
- Celery (Using PCR)
- Pecan (Using PCR)

AgraQuant Allergen Swabbing Kit for ELISA & PCR Testing:

Item	Order Code	Quantity	Price
AgraQuant Allergen Swabbing Kit	TEST0193	1 Box of 20 swabs	£44.00



Specific Allergen Tests



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	Price
3M Coconut Allergen Test Kit	TEST0155	1 Box of 25 Tests	£273.00
3M Fish Allergen Test Kit	TEST0156	1 Box of 25 Tests	£273.00

Specific Allergen Tests



AllerFlow Gluten

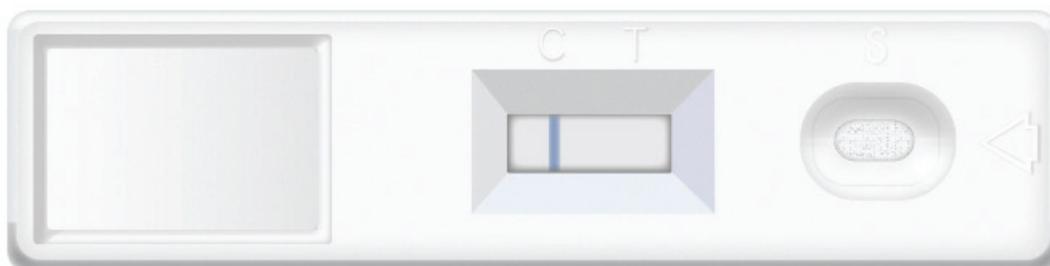
Description: AllerFlow Gluten is a rapid and convenient test for the detection of gluten residue on surfaces as part of an allergen monitoring program.

Recommended for: Combining Hygiena's convenient sample collection swab design and classic lateral flow technology, AllerFlow Gluten makes gluten testing easier than ever before.

Just swab, snap, and pour - when it comes to specific allergen kits, AllerFlow Gluten offers unparalleled convenience. The sample collection swab holds pre-measured, ready-to-use extraction buffer, so all you have to do is swab an area, activate the device with a snap and squeeze action, and pour the sample onto the lateral flow cassette.

AllerFlow Gluten results couldn't be easier to read. If the sample contains 5 ppm or more of gluten, a red line will appear on the cassette. Results are simple for any user to understand without complicated interpretation or instrumentation.

Item	Order Code	Quantity	Price
AllerFlow Gluten	TEST0191	1 Box of 25 Tests	£279.00



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	£202.00
Mini incubator (12 wells)	TEST0107	1	£258.00
12 Well Block for Mini Incubator	TEST0107/01	1	£89.00
Lab Format Incubator (2 x 35 wells)	TEST0125	1	£289.00
Can also be supplied with 2 x 15 wells or 1 x 15 & 1 x 35 wells - please indicate configuration when ordering			
35 Well Block for lab format incubator	TEST0125/02	1	£102.00
15 Well Block for Lab format incubator	TEST0125/01	1	£129.00

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	£173.00
Replacement UV Bulb	TEST0109	1	£20.00
Carry Case	TEST0110	1	£20.00



240ml bottle

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	£21.00



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	£73.10



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	£31.00
Acid dropper test kit individual reagents - PA1 indicator (65ml)	SKS00800/01	1	£5.34
Acid dropper test kit individual reagents - PA1 indicator (500ml)	SKS00843/1	1	£26.00
Acid dropper test kit individual reagents - ACD3 (65ml)	SKS00801/01	1	£6.12



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	£31.00
Alkaline dropper test kit individual reagents - PA1 indicator (65ml)	SKS00800/01	1	£5.34
Alkaline dropper test kit individual reagents- PA1 indicator (500ml)	SKS00843/1	1	£26.00
Alkaline dropper test kit individual reagents - PA2 acid solution (65ml)	SKS00800/02	1	£5.73
Alkaline dropper test kit individual reagents - PA2 acid solution (500ml)	SKS00843/2	1	£26.00
Alkaline dropper test kit individual reagents - Sodium Thiosulphate Crystals	SKS00800/03	1	£5.34



Alkaline & Carbonate Test Kit

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

Item	Order Code	Quantity	Price
Alkaline & carbonate dropper test kit	SKS00837	1	£36.00



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	£31.00
Anionic dropper test kit individual reagents- AN1 (65ml)	TEST0020	1	£6.18
Anionic dropper test kit individual reagents - AN2 (65ml)	TEST0021	1	£6.18
Anionic dropper test kit individual reagents- AN3 (65ml)	TEST0022	1	£6.18



Available Chlorine Test Kit

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

Item	Order Code	Quantity	Price
Available chlorine dropper test kit	SKS00802	1	£39.00
Available chlorine dropper test kit individual reagents - CL1 (65ml)	SKS00802/06	1	£6.00
Available chlorine dropper test kit individual reagents - CL2 (65ml)	SKS00802/05	1	£15.00
Available chlorine dropper test kit individual reagents - CL3 (65ml)	SKS00802/04	1	£6.00



Farmsan Test Kit

Recommended for checking the chemical concentration of Holchem Farmsan disinfectants.

Item	Order Code	Quantity	Price
Farmsan dropper test kit	SKS00812	1	£23.00
Farmsan test kit individual reagents - CL3 (65ml)	SKS00802/04	1	£6.00



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	£39.00
Free chlorine dropper test kit individual reagents - FCL1 (65ml)	TEST0008	1	£5.54
Free chlorine dropper test kit individual reagents - FCL1 (500ml)	TEST0010	1	£23.00
Free chlorine dropper test kit individual reagents - FCL3 (65ml)	TEST0009	1	£9.00
Free chlorine dropper test kit individual reagents - FCL 3 (500ml)	TEST0011	1	£34.00



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	£39.00



Neutral Test Kit

Recommended for checking the chemical concentrations of Holchem neutral products

Item	Order Code	Quantity	Price
Neutral dropper test kit	SKS00809	1	£31.00
Neutral dropper test kit individual reagents - TA1 Methyl orange indicator (65ml)	SKS00809/01	1	£5.15
Neutral dropper test kit individual reagents- PA2 acid solution (65ml)	SKS00800/02	1	£5.73
Neutral dropper test kit individual reagents- PA2 acid solution (500ml)	SKS00843/2	1	£26.00



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	£35.00
Perbac 15, Crystal Plus dropper test kit	SKS00835	1	£35.00
Perbac OPD dropper test kit	SKS00836	1	£35.00
Peracetic acid dropper test kit individual reagents 0.4N Sodium Thiosulphate (65ml)	SKS00833	1	£6.64
Peracetic acid dropper test kit individual reagents- Potassium iodide crystals (25g)	SKS00811/03	1	£6.64
Peracetic acid dropper test kit individual reagents- Potassium iodide crystals (500g)	SKS00811/160	1	£103.00
Peracetic acid dropper test kit individual reagents - Acid Ammonium Molybdate (250ml)	SKS00811/04	1	£28.00



QAC Test Kit

Recommended for checking the chemical concentrations of Holchem QAC products.

Item	Order Code	Quantity	Price
QAC dropper test kit	SKS00803	1	£31.00
QAC dropper test kit individual reagents - QA1 (65ml)	SKS00803/01	1	£7.66
QAC dropper test kit individual reagents - QA1 (500ml)	SKS00844/1	1	£34.00
QAC dropper test kit individual reagents - QA2 (65ml)	SKS00803/02	1	£5.73
QAC dropper test kit individual reagents - QA2 (500ml)	SKS00844/2	1	£26.00
QAC dropper test kit individual reagents - QA3 (65ml)	SKS00803/03	1	£7.67
QAC dropper test kit individual reagents - QA3 (500ml)	SKS00844/3	1	£34.00



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	£34.00



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	£37.00
Total EDTA dropper test kit individual reagents - 0.01M copper sulphate (65ml)	SKS00805/01	1	£5.15
Total EDTA dropper test kit individual reagents - 5M acetic acid (65ml)	SKS00805/02	1	£6.44
Total EDTA dropper test kit individual reagents - PAN indicator (65ml)	SKS00805/03	1	£6.64



Triamine Test Kit

Recommended for checking the chemical concentrations of Holchem Triamine products.

Item	Order Code	Quantity	Price
Triamine dropper test kit	TEST0051	1	£31.00
Triamine dropper test kit individual re-agents - TA01 (65ml)	TEST0051/01	1	£6.18
Triamine dropper test kit individual re-agents - TA02 (65ml)	TEST0051/02	1	£6.18
Triamine dropper test kit individual re-agents - TA01 (500ml)	TEST0054	1	£26.00
Triamine dropper test kit individual re-agents - TA02 (500ml)	TEST0052	1	£26.00



Ultralube Test Kit

Recommended for checking the chemical concentrations of Holchem Ultralube products.

Item	Order Code	Quantity	Price
Ultralube dropper test kit	SKS00815	1	£29.00
Ultralube dropper test kit individual reagents - PA1 indicator (65ml)	SKS00800/01	1	£5.34
Ultralube dropper test kit individual reagents - PA1 indicator (500ml)	SKS00843/1	1	£26.00



Total Water Hardness Test Kit

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

Item	Order Code	Quantity	Price
Water hardness dropper test kit	SKS00804	1	£31.00
Water hardness dropper test kit individual reagents - H (65ml)	SKS00804/01	1	£6.32
Water hardness dropper test kit individual reagents - TH2 (65ml)	SKS00804/02	1	£5.47
Water hardness dropper test kit individual reagents - TH5 (65ml)	SKS00804/03	1	£13.00

Test Kit Consumables

Item	Order Code	Quantity	Price
5ml syringe	SKS00820	1	£4.93
10ml syringe	SKS00821	1	£3.78
20ml syringe	SKS00822	1	£2.06
Polycarbonate test jar	SKS00823	1	£12.00
Dropper bottle for test kit	SKS00819	1	£1.38
Metal spatula	SKS00824	1	£4.00

Palintest Kemio Disinfection Tester

Palintest Kemio™ Disinfectant 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, Chlorite 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, Chlorite 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	Price
Palintest Kemio™ disinfection tester	TEST0186	1	£995.00
Peracetic acid sensor (500 tests)	TEST0187	1	£380.00
Chlorine high range sensor (500 tests)	TEST0188	1	£280.00
Chlorine dioxide sensor (500 tests)	TEST0189	1	£270.00

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 Holchem chemical disinfectants and for the presence of cleaning chemicals on surfaces and in rinse waters.

Item	Order Code	Quantity	Price
Merck MQuant Chlorine test strips (25-500ppm available chlorine) (100 strips)	SKS00839/25-500	1	£83.00
Quantofix Chlorine test strips (100 strips)	TEST0185	1	£69.00
Merck MQuant Peracetic acid test strips (0-50ppm PAA) (100 strips)	SKS00840/0-50	1	£131.00
Merck MQuant Peracetic acid test strips (100-500ppm PAA) (100 strips)	SKS00840/100-500	1	£125.00
Quantofix Peracetic Acid test strips (0-50ppm PAA) (100 Strips)	TEST0182	1	£69.00
Quantofix Peracetic Acid test strips (0-500ppm PAA) (100 strips)	TEST0183	1	£69.00
QAC test strips with dispenser (4.5 metres)	KS00841	1	£13.29
QAC test strips (refill 5 x 4.5 metre rolls)	SKS00841/01	1	£31.00
Triamine test strips (100 strips)	TEST0133	1	£33.00
pH paper (pH1-14) (5 metres)	SKS00842	1	£18.69
pH test strips (100 strips)	TEST0172	1	£9.95
Phenolphthalein test strips (200 strips)	TEST0040	1	£6.18
Quantofix Sulphite test strips (0-1000ppm Sulphite) (100 strips)	TEST0184	1	£69.00
Quantofix Nitrate/Nitrite test strips (1-500ppm Nitrate & 1-80ppm Nitrite) (100 strips)	TEST0181	1	£69.00





Temperature, pH, Conductivity & Time 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 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	£123.60
PTFE wire probe	TEST0114	1	£9.27

CaterTemp Thermometer and Probe

Description: A professional digital thermometer

Recommended for: The CaterTemp digital thermometer can be used for checking the temperature of water and dilute chemical solutions.

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.

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



Item	Order Code	Quantity	Price
Catertemp Thermometer & Probe	TEST0115	1	£70.00

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	£134.00

Mini Infrared Thermometer

Description: A pocket sized infrared thermometer

Recommended for: Suitable for checking the temperature of different surfaces.

This pocket size and easy-to-use infrared thermometer is ideal for precise non-contact measurement of surface temperatures. Suitable for monitoring appliances, heating, ventilation and air conditioning systems.

Features:

- Test temperatures from -50° to +260°C
- User-selectable °C or °F
- Hold within 6 inches of the area to be measured, push the button, read the display
- Distance to spot size ratio is 1 to 1 at the focal point
- Fixed emissivity at 0.95
- Response time less than 1 second
- Large 20mm LCD display with function indicators
- Automatic data hold
- Auto power-off
- Low battery indication
- Impact-resistant ABS case
- Supplied with batteries



Item	Order Code	Quantity	Price
Mini Infrared Thermometer	TEST0146	1	£23.18

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 ±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	£31.00

Thermal Imaging Camera

Description: A thermal imaging camera

Recommended for: Immediate detection of both hot and cold surfaces

The ADT-9868 Infrared Thermal Camera is a simple “point-shoot-detect” providing high quality thermal images. It allows immediate identification of hot and cold areas. It allows you to record a radiometric heat map up to 6000 images on the micro SD card. It is ideal for detecting hidden problems, surveying buildings and equipment to identify potential “hot spots” where microorganisms may be harbouring e.g. Escherichia coli.

Image Blending makes it easier to understand heat maps through the use of an aligned visual image and the heat map. The instrument captures a visual image with each heat map to exactly show the target area and more effectively share it with others.

Features:

- 2.2" 48608 pixels colour LCD display with adjustable brightness
- Selectable °C or °F
- Fully automatic and focus free
- Environment temperature compensation
- Field of view 38° x 38°
- Centre spot crosshair
- Adjustable emissivity
- Emmissivity table included
- Hot spot and cold spot tracking
- High and low alarm (enable or disable)
- Image blending with selectable distance of 0.5m, 1m, 2m or 3m
- Selectable colour palette Grey1, Grey2, IRONbow, Rainbow or hi contrast
- SD card storage with USB connection saves up to 6000 images
- Auto power off
- View or download radiometric heat map images of your findings
- Supplied with tripod, 3.7V Li ion battery (rechargeable battery), charger adapter, USB cable, microSD card and carrying case.



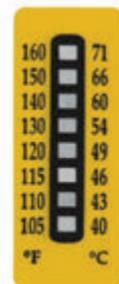
Item	Order Code	Quantity	Price
Thermal Imaging Camera	TEST0145	1	£509.85

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 Temperature Strips	TEST0147	1 Pack of 50 Strips	£44.00
77-116°C Temperature Strips	TEST0148	1 Pack of 50 Strips	£44.00
121-160°C Temperature Strips	TEST0149	1 Pack of 50 Strips	£44.00
166-204°C Temperature Strips	TEST0150	1 Pack of 50 Strips	£44.00
210-260°C Temperature Strips	TEST0151	1 Pack of 50 Strips	£44.00



pH Monitoring

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	Price
Pocket Water Resistant pH Tester	TEST0069	1	£129.00
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	£16.50
pH Electrode Storage Solution	TEST0082	1 x 500ml	£25.00



pH Test Strips

Item	Order Code	Quantity	Price
pH test strips (100 strips)	TEST0172	1	£9.95
pH paper (5 metres)	SKS00842	1	£18.69



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 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	£530.00
1413µS/cm Conductivity Solution	TEST0088	1 x 230ml	£24.00

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 µS/cm & TDS 0 to 2000 ppm

Item	Order Code	Quantity	Price
Conductivity & Total Dissolved Solids Tester	TEST0173	1	£129.00



Time Monitoring

Digital Stopwatch

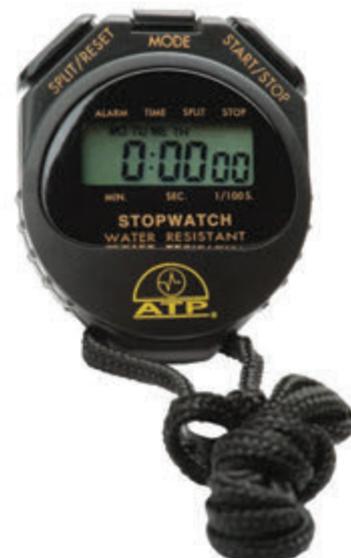
Description: An easy to use digital stopwatch

Recommended for: Timing CIP & open plant cleaning stages & chemical contact times

Housed in an impact resistant ABS case this stopwatch is easy to use for timing single events.

Features:

- Resolution: 0.01 seconds for the first 30 minutes; 1 second thereafter
- Calendar & time (12/24-hr format)
- Daily alarm
- Hourly Chime
- Water and shock resistant structure
- Case size: 72 x 64 x 20mm
- Supplied with neck cord & battery



Metal Detectable Stopwatch

Description: A professional metal detectable stopwatch

Recommended for: Timing CIP & open plant cleaning stages & chemical contact times

A professional metal detectable quartz stopwatch is suitable for almost all food applications, including environments with greasy and powdery and cold conditions. This stopwatch performs well in both warm and lower working temperatures and is also made from a high impact and non-shatter detectable plastic material, so it will not easily damage if dropped or rolled off work surfaces.

The Detectable Electronic stopwatch is compact and lightweight and is small enough to hold in your hand/pocket or attached to a clipboard. Measures 7.5cm x 5cm.

Features include:

- Split lap time 1/100th second
- Stopwatch
- Normal time
- Hours / Minutes / Seconds
- Day / Date / Month
- For all sports and technical applications
- Start / Stop Reset
- Alarm Time Setting



Item	Order Code	Quantity	Price
Digital Stopwatch	TEST0152	1	£6.70
Metal Detectable Stopwatch	TEST0168	1	£11.44

Aseptic & Sterile Sample Containers

125ml 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.

Item	Order Code	Quantity	Price
125ml Aseptic Sample Dipper Pots	TEST0179	Box of 100	£82.40



200ml Sterile & Aseptic Sample Containers

Description: Clear 200ml sample containers

Graduated PP sample containers are an ideal choice for storing diluted bases and acids, and for applications where containers need to keep their shape after bending and flexing. Each container comes with a PE snap cap for a leakproof seal.

Containers are protected from particle contamination during shipping. Containers arrive at your site enclosed in a PE bag packed inside a box with a label to show the lot number and expiration date for tracing purposes.

- Keep samples safe inside a leakproof PP snap-cap container
- Highly resistant to chemicals
- Extremely shockproof to easily take impacts around the workplace
- Precise container filling with the help of the moulded graduation marks
- Convenient writing area on the container for labelling with a pen or marker



Item	Order Code	Quantity	Price
200ml Sterile Sample Containers	TEST0158	Box of 220	£70.00
200ml Aseptic Sample Containers	TEST0159	Box of 220	£60.00

Metal Detectable Stationary

Description: A range of blue metal detectable equipment which has been developed for food processing and similar applications. Made from metal detectable X-Ray visible polypropylene materials which are high impact resistant.

Item	Order Code	Quantity	Price
Metal Detectable Pen	TEST0165	1 Pack of 50 Pens	£35.99
Metal Detectable A4 Clipboard with Stainless Steel Clip	TEST0166	1	£9.55
150mm Metal Detectable Ruler	TEST0167	1	£4.20
Metal Detectable Stopwatch	TEST0168	1	£11.44
Metal Detectable Electronic Timer	TEST0169	1	£11.44
Metal Detectable Desktop Calculator	TEST0170	1	£17.89
5 Metre Metal Detectable Tape Measure	TEST0171	1	£19.95



LEADERS IN HYGIENE TECHNOLOGY

HOLZCHEM





HOLCHEM

Gateway House
Pilsworth Road
Pilsworth Industrial Estate
Bury
Lancashire
BL9 8RD

Telephone: 01706 222288
Fax: 01706 221550

Web: www.holchem.co.uk