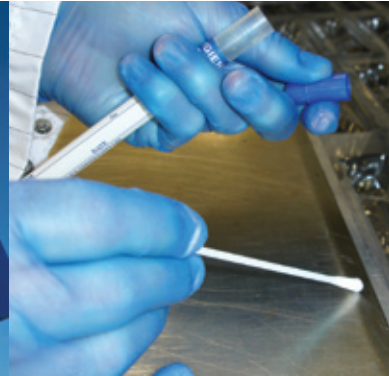


Enviroscreen

Specialist Environmental Surface Sampling for Food, Beverage and Pharmaceutical companies.



**Technical Service
Consultants Ltd**

Technical Service Consultants Ltd

The Ropewalk, Schofield St, Heywood, Lancashire OL10 1DS, UK

T : +44 (0)1706 620600 F : +44 (0)1706 620445

E : sales@tscswabs.co.uk W : www.tscswabs.co.uk

TSC Neutralising Buffer

In many cases a surface will contain traces of disinfectants and/or sanitisers, but it is also possible that it will contain a small number of bacteria too.

Left alone, these cleaning fluid traces will not kill the microorganisms, but will just prevent any growth (known as the bacteriostatic effect). Only by using a neutralising solution like TSC Neutralising buffer will their presence be detected. Sampling without neutralisers will lead the user to think the area is clean, when it isn't; in sensitive environments (food, beverage and pharmaceutical) this will shorten shelf life of products, increase spoilage rates and potentially cause poisoning outbreaks.

TSC Neutralising Buffer is an excellent way to monitor the effectiveness of disinfectants and/or sanitisers, to detect any development of bacterial resistance. This allows an alternative cleanser to be introduced before product quality is affected or a full department clean down is necessary, disrupting production. Implementing regular monitoring and using a neutralising buffer allows the factory cleanliness to be accurately verified and maintained with minimal effort and cost.

TSC Neutralising Buffer will neutralise most common disinfectants like peroxides and derivatives, phenols, quaternary ammonium compounds (QAC's), amphoteric, chlorines and associated halogens, providing the end user with total testing assurance.

Sterile Swab Kits

Surface sampling swab kits are provided as a single peel pack, containing a sealed tube with TSC's Neutralising Buffer and a capped swab. The surface to be sampled can be tested with the swab dry or pre-moistened in TSC's Neutralising Buffer (if premoistened swabs are used the surface must be wiped afterwards). All swabs conform to ISO 18593:2004 requirements and are ISO 9001:2008 quality management system compliant.

- > Suitable for routine microbiological and general hygiene analysis on virtually any surface
- > Increases cleanliness and confidence, assisting in brand protection

- > Ideal for analysis of total viable count (TVC), gram positives (*Listeria* spp., *Staphylococci*), *Enterobacteriaceae* (for example *Salmonellae* and *E.coli*) plus other groups of microorganisms
- > All Enviroscreen products are sterilised by gamma irradiation to SAL 10⁻⁶ for total product confidence and certificates of conformity for each batch are directly downloadable from our website, www.tscswabs.co.uk.



Code	Description	Pack Size	Details
TS/5-31H	Supplied with liquid Maximal Recovery Diluent (MRD) media in tube with Pure Viscose swab tip on a White polystyrene shaft, supplied in peel pouch.	100	<ul style="list-style-type: none"> > Recommended for hand swabbing - contains no sensitising chemicals > Can be used for sampling non-disinfected areas > Ideal for quick turnaround analysis within 4 to 6 hours > Supplied in accurate volumes for analysis
TS/5-40	5ml Neutralising Buffer in tube with Pure Viscose swab tip on a Blue polystyrene shaft, supplied in peel pouch. Breakpoint at 45mm.	100	<ul style="list-style-type: none"> > A convenient all in one sampling kit for monitoring hygiene > Blue breakpoint viscose tip swab for visibility > Maximum recovery without any inhibition > Supplied in accurate 5ml volumes
TS/5-42	10ml Neutralising Buffer in tube with a Polyester swab tip on a White polystyrene shaft, supplied in peel pouch.	100	<ul style="list-style-type: none"> > White flexible viscose tip swab for hard to reach areas > Supplies maximum recovery without any inhibition > Supplied in accurate 10ml volumes
TS/5-43	10ml Neutralising Buffer in tube with a Calcium Alginate swab tip on a wood stick shaft, supplied in peel pouch.	100	<ul style="list-style-type: none"> > Calcium Alginate swab tip will dissolve fully in Calgon Ringers solution, releasing the complete sample for use in quantitative methods > Suitable for equipment or surfaces testing, where traces of disinfectants are possibly present
TS/5-44	2ml Neutralising Buffer in tube with a Polyester swab tip on a white polystyrene shaft, supplied in peel pouch.	100	<ul style="list-style-type: none"> > Ideal for environmental monitoring of surfaces where low numbers of microorganisms are known or suspected > 2ml volume minimises sample dilution for accurate counts
TS/5-48	10ml TSC's Universal Neutralising Buffer in tube with a Polyester swab tip on a White polystyrene shaft, supplied in peel pouch.	100	<ul style="list-style-type: none"> > Unique formulation of neutralising buffer with omitted sodium thiosulphate > Uses alternative components for chlorine neutralisation > Specially designed for use with most 3M Petrifilm™ applications.

Sterile Pre-moistened Swabs

Pre-moistened Swabs are ready to use – a simple and convenient sampling device for hygiene monitoring of any surface.



Code	Description	Pack Size	Details
TS/5-61	Pre-moistened Viscose tip swab in Neutralising Buffer with a White polystyrene shaft, supplied in tube and outer peel pouch.	100	<ul style="list-style-type: none"> > Handy, pre-moistened neutralising swab for no mess > Consistent sampling and minimal risk of external contamination > Entire sample is analysed using this method
TS/5-61BP	Pre-moistened Viscose tip swab in Neutralising Buffer with Blue polystyrene shaft. Breakpoint at 45mm. Supplied in tube and outer peel pouch.	100	<ul style="list-style-type: none"> > As TS/5-61, but with Blue swab shaft scored at 45mm from the tip to allow easy breaking into sampling containers, for example glass vials > Suitable for critical food areas
TS/5-61WP	Pre-moistened Viscose tip swab in Neutralising Buffer with White polystyrene shaft. Breakpoint at 45mm. Supplied in tube and outer peel pouch.	100	<ul style="list-style-type: none"> > As TS/5-61BP, but with White shaft swab to allow location differentiation
TS/5-62	Pre-moistened Viscose tip swab in Deionised Water with White Polystyrene shaft. Supplied in tube and outer peel pouch.	100	<ul style="list-style-type: none"> > Suitable for when Neutralising Buffers are not appropriate, for example sampling sensitive equipment

Sterile Dry Swabs

Swabs for general sampling applications. Supplied sterile in a tamper evident sealed tube, with a write on label or in a peelable pouch.



Code	Description	Pack Size	Details
TS/6-H	Woodstick shaft with Cotton swab tip, single in tube.	500	> Suitable for most general swabbing applications > Try TS/17-H or TS/19-H if sampling for more fastidious/fatty acid sensitive organisms
TS/7-H	Woodstick shaft with Calcium Alginate swab tip, single in tube.	100	> Tip will dissolve in Calgon Ringers solution for complete release of sample
TS/15-CP	12" Jumbo Foam swab with blue Polypropylene (flexible) shaft. Single in tube.	100	> Ideal for sampling small pipes or curved drains with a flexible, but resilient Polypropylene shaft
TS/17-H	Viscose swab tip with Polypropylene (flexible) shaft. Single in tube.	500	> Viscose tipped swab in tube > Suitable for sampling when fastidious or more sensitive organisms are suspected > Flexible 'round corners' sampling for hard to reach areas
TS/19-H	Viscose swab tip, with Blue Polystyrene shaft with Breakpoint at 45mm. Single in tube.	500	> Viscose tipped swab in tube > Suitable for sampling when fastidious or more sensitive organisms are suspected > Blue shaft colour for high visibility and a breakpoint to allow convenient analysis
TS/19-T	Viscose swab tip with Blue Polystyrene shaft with Breakpoint at 45mm. In Peel Pouch.	1000	> Viscose tipped swab in tube > Suitable for sampling when fastidious or more sensitive organisms are suspected > Blue shaft colour for high visibility and a breakpoint to allow convenient analysis
TS/19-M	Low ATP Polyester swab, single in tube for hygiene testing with most commercial techniques.	500	> Used for ATP monitoring and bioluminescence testing

Hand Sampling

Designed for monitoring personnel bioburden in critical environments. TSC's Personnel Sampling Solution provides neutralisation of most hand cleanser residues. This offers a convenient way of assessing personnel hygiene and maintaining the sample without multiplication for accurate results. The Skin-Friendly formulation contains no sensitising chemicals, preventing potential skin reactions.



Code	Description	Pack Size	Details
TS/5-64:HS	Viscose Tip swab with Blue polystyrene shaft breakpoint at 45mm. 10ml personnel sampling solution.	100	> Blue cap and swab shaft for high visibility > Breakpoint for convenient analysis > Ideal for fingers and nails
TS/15-HS	50cm ² Blue Sponge, in medical grade bag.	150	> Non inhibitory blue sponge for maximum recovery and visibility > Outer bag can be used for transport to laboratory after testing > Ideal for whole hand surface sampling

Sterile Sponge Sampling Kits and Accessories

Ready to use, Non inhibitory cellulose blue sampling sponge for the microbiological analysis of different surfaces.

- > Provides optimal microorganism recovery for sampling in food contact, environmental and industrial settings
- > Complies with EC No. 2073/2005 on microbiological criteria for foodstuffs
- > Suitable for Hazard Analysis Critical Control Point (HACCP) procedures



Code	Description	Pack Size	Details
TS/15-A	50cm ² Blue Sponge dosed with Neutralising Buffer, in 100ml screw top blue plastic container.	45	> Non inhibitory blue sponge for maximum recovery and visibility. Packaged in a handy blue screw top container with glove for easy sampling and enrichment
TS/15-B	50cm ² Blue Sponge dosed with Neutralising Buffer, in medical grade bag + disposable glove.	150	> Non inhibitory blue sponge for maximum recovery and visibility. Supplied with minigrip bag for sample transportation
TS/15-I	50cm ² Blue Sponge dosed with Neutralising Buffer in medical grade bag.	150	> As TS/15-B, but without minigrip bag
TS/15-N	50cm ² Blue Sponge dosed with Neutralising Buffer in a heat sealed Stomacher bag.	100	> Ideal configuration if sample is to be stomached before further analysis
TS/15-U	Envirostik - 50cm ² Blue Sponge dosed with Neutralising Buffer, attached to a sturdy blue breakpoint handle. Supplied in a medical grade bag.	100	> 50cm ² sampling sponge on a plastic stick, dosed with neutralising buffer > Non inhibitory blue sponge for maximum recovery and visibility > Ideal for sampling in difficult to reach and awkward areas
TS/15-T	10 x 10cm ² Sterile polypropylene (flexible) template.	50	> Incorporates finger press plate for easy and controlled sampling

Poultry Sampling - Boot Swab Kit



Poultry industry floor and litter sampling kits, optimised for Salmonella spp. detection.

- > Environmental monitoring of poultry flocks for the presence of Salmonellae
- > Complies with sampling requirements of *Salmonella* legislation in poultry*
- > Immediate replacement for drag swab
- > Available in four designs for tailored sampling solutions

Code	Pack Size	Description
TS/15-BSW2A	100	2 pairs of poultry boot swabs dosed with MRD. Sealed within a medical grade bag together with a mini grip bag for sample transport and disposable gloves.
TS/15-BSW5A	50	5 pairs of poultry boot swabs dosed with MRD. Sealed within a medical grade bag together with a mini grip bag for sample transport and disposable glove.
TS/15-BSW2B	60	2 pairs of poultry boot swabs dosed with MRD. Sealed in the first outer bag. Then with a pair of sterile overboots together with gloves, minigrip bag sealed within the second bag.
TS/15-BSW5B	40	5 pairs of poultry boot swabs dosed with MRD. Sealed in the first outer bag. Then with a pair of sterile overboots together with two gloves and two minigrip bags sealed within the second bag.

*(Regulation (EC) No 2160/2003; Regulation (EC) No 1003/2005; Regulation (EC) No 1168/2006; Regulation (EC) No 584/2008; UK National Control Programmes for the reduction of Salmonella).

Red Meat Carcass Sampling Kits



Red Meat Carcass Sampling Kits are comprised of a pre-moistened sponge for convenient direct food surface sampling. Each sponge is dosed in an isotonic solution.

- > Convenient for direct surface sampling of red meat carcasses
- > Products comply to Food Standard Agency recommendations
- > Products can be used for total viable count (TVC) and *Enterobacteriaceae* (for example *Salmonella* and *E.coli*) from the surface of red meat carcasses (for example beef, pork and lamb)
- > Sampling can be conducted by non specialist staff in most cases
- > Can be stored at room temperature

Code	Description	Pack Size	
TS/15-A:NaCl	50cm ² Blue Sponge dosed with 0.9% saline, in 100ml screw top, blue plastic container.	45	> Contains glove for easy sampling
TS/15-B:NaCl	50cm ² Blue Sponge dosed with 0.9% saline, in medical grade bag.	150	> Sponge is dosed in nutrient free solution that enables the product to be stored at the sampling site and sampling to be conducted by non specialist staff
TS/15-I:NaCl	50cm ² Blue Sponge dosed with 0.9% saline, in medical grade bag.	150	> Sponge is dosed in nutrient free solution, which enables the product to be stored at the sampling site and sampling to be conducted by non specialist staff
TS/15-U:NaCl	Envirostik. 50cm ² Blue Sponge dosed with 0.9% saline. Attached to a sturdy blue breakpoint handle. Supplied in a medical grade bag.	100	> Ideal for sampling in difficult to reach areas > Flexible during sampling procedure > Simple snap mechanism
TS/15-B:PSD	50cm ² Blue Sponge dosed with peptone saline diluent (MRD), with minigrip bag. Supplied in medical grade bag.	150	> Ideal for specialised sampling for enhanced recovery of TVC and <i>Enterobacteriaceae</i> . For experienced users only
TS/15-B:BPW	50cm ² Blue Sponge dosed with Buffered Peptone Water, with minigrip bag. Supplied in medical grade bag.	150	> Suitable for specialised sampling for enhanced non-selective recovery of Salmonellae. For experienced users only

Polyethylene Graduated Water Sampling Containers

A range of sterile, food safe, polyethylene containers for sampling from a variety of environments. Available with the option of sodium thiosulphate included for chlorine removal from potable water samples.

To neutralise grams chlorine / litre	500ml (Pack 100)	1000ml (Pack 100)	2500ml (Pack 50)
Empty – No additives	TS15-F	TS163-F	TS164-F
5mg Chlorine/litre	TS15-DL	TS15-ZL	TS164-EL
28mg Chlorine/litre	TS15-D	TS15-Z	TS164-E
50mg Chlorine/litre	TS15-DA	TS15-ZA	TS164-EA



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