

Fluorescent testing for residual proteins

The ProReveal Fluorescence Protein Detection Test has been developed in response to the need to find a more sensitive and accurate method of checking for residual proteins that can sometimes remain on surgical instruments after the washer disinfection process.

Recent research into possible methods for checking surgical instruments has shown that in-situ fluorescent testing methods can produce a very high level of confidence into the effectiveness of the washer disinfectant process.

The ProReveal Fluorescence Protein Detection Test is a sensitive fluorescence-based protein detection test for checking the presence of residual protein on surgical instruments after going through any washer disinfectant process. The test is cost-effective and delivers objective, visual and measurable results, removing any doubt as to whether the washing decontaminator process has left instruments clean enough to meet residual protein level standards.

PESKETT will be demonstrating this technology at the event.



Manufacture and repair of surgical instruments

SURGICAL HOLDINGS has been manufacturing and repairing surgical instruments for over 24 years in the UK. It is able to manufacture instruments in all specialised areas, including general, dental, gynaecology, orthopaedic, neuro, intestinal, ENT, ophthalmic, plastic and oral, proctology, thoracic, microsurgery, urology and bespoke surgical instruments.

The company uses only the highest quality European traceable steels and manufactures to stringent British Standards. Additionally, it produces bin baskets and offers protective silicone matting and light guide cables with all fittings available. The company works in partnership with its customers, offering a personal service to ensure that instrument quality, needs, and expectations are exceeded.

Bipolar and monopolar cables promise 300 autoclavings

While most instrument cables have a life of between 40 and 50 autoclavings, the Bowa range of bipolar and monopolar cables, available in the UK from **CATERHAM SURGICAL**, are said to offer a life of around 300 autoclavings.

Using a combination of silicone on their cables; glass fibre reinforced plugs; and a sealing technology to bond them together, it has been possible to reduce the typical damage caused by fluid ingress, making



the cables more durable, yet costing less than 20 pence per cycle.

Bowa cables have been designed for use with most generators on the market.

Endoscope cleaning and storage

The Scope-Store cabinet, from **LTE SCIENTIFIC**, dries and stores reprocessed endoscopes for up to 14 days. The easy to use touchscreen control system provides full traceability of the endoscope along with full user details and a print-out provides full cycle data, including air-flow, total volume, user ID and status. Optionally, temperature and RH can also be monitored and printed for each cycle.

The cabinet is available in 5, 8 and 10-scope vertical hanging and shelf-loaded variations and a range of ENT storage cabinets are also available.

The company's new ECS-1 endoscope cleaning station is said to enable staff to pre-clean endoscopes in a safe, effective and reproducible manner, increasing productivity with reduced cross-contamination risk. The automated system ensures that every scope goes through a consistent pre-cleaning process, allowing staff to clean scopes with assured accuracy and compliance.

The ergonomic design of the system helps to overcome occupational health

concerns, and the touchscreen controller has an automated menu driven process.

The easy to operate, ECS-1 is said to increase productivity around the reprocessing room when the cleaning station is running, as just one staff member can effectively run two cleaning stations. Cost benefits are achieved through staff efficiencies, better management of consumables, and improved productivity.



Minimising the risk of prion transmission

With the launch of its new MetalClean solid cleaner with prion inactivation, **ECOLAB**'s SolidSafe system now offers an additional level of safety for both patients and users.

It is well known that routine instrument decontamination methods do not inactivate the infectious agent that can result in the transmission of human prion diseases, including CJD and vCJD.

Used as part of a prion inactivating protocol in the SSD, MetalClean is said to maximise patient safety by minimising the risk of prion transmission via surgical instruments. MetalClean is suitable for both daily and prion inactivating cycles, meaning that only one product is required for automated cleaning.



Aseptic reprocessing solution

BES DECON will be showcasing a cassette-based solution that caters for all endoscope decontamination challenges.

The BES cassette system is said to be the only aseptic reprocessing solution that encompasses the whole endoscope decontamination cycle, while at the same time drastically reducing manual handling – once the endoscope is hermetically encased within its cassette, it can be reprocessed and even dried while remaining untouched until the point of use, or stored for up to 30 days.

The system reduces risk and eliminates pathways of cross contamination, ensuring both patient and staff safety at all times.

BES will also be displaying the latest developments to its hydrogen peroxide plasma machine, a steriliser for all types of thermo labile medical devices or closed-ended lumened items up to 1500 mm length.



Long-term aseptic storage solution for endoscopes

MEDICAL INNOVATIONS GROUP will be showing its new SureStore endoscope conditioning, storage and transportation system which is said to offer cutting-edge long-term active aseptic storage and transportation of endoscopes for up to 35 days, directly from the endoscope washer disinfectant, negating the need for air drying of the scope prior to storage.

The design of SureStore provides a 'patient ready' packaged endoscope in just five minutes. Key features include storage validation for up to 35 days, an independent monitoring system, reduced scope wear, flexible transportation, fully traceable cycle data, secure and robust storage, and space saving.



Solutions to maximise storage space

Craven & Co is a UK-based manufacturer with over 60 years experience in providing storage and handling solutions to the medical equipment industry. It specialises in improving process flow, inventory control and high density storage solutions.

The company also specialises in bespoke storage solutions for use within the health service. Commenting on its bespoke design and installation service, the head of procurement for one health service customer said: "Some of my staff were part of a team that won a corporate efficiency award that, in part, could only have been achieved because we had the Craven shelving installed at the hospital that enabled us to have a 'proper' functioning store room. We're hoping there may now be funding to

allow for a wider adoption of the scheme." Thanks to the service, this customer benefitted from an additional 80% of storage in an overcrowded storeroom.



Contamination prevention solutions

GETINGE is a leading provider of solutions for effective cleaning, disinfection and sterilisation in infection control. It is dedicated to helping its customers achieve maximum productivity in the most cost-efficient way. The company specialises in the provision of decontamination equipment and offers a wide range of products including sterilisers, washer-disinfectors, flexible endoscope decontamination, isolators, T-DOC traceability, AER systems, consumables, detergents, accessories and a full and readily available range of spare parts. Getinge UK has the capability to provide a full design service, equipping, validation and support service packages backed by its long term commitment and



global presence. Its City & Guilds accredited Academy offers a range of courses specifically designed to meet the training requirements of infection control professionals across sterile service and endoscopy departments.

A comprehensive approach to sterilisation

3M is committed to offering the healthcare community a variety of innovative solutions, based on its diversified technologies. Its Sterilisation Assurance Programme, for example, promises a comprehensive approach to sterilisation monitoring of procedures and methods. It consists of five processes that monitor every aspect of the decontamination cycle, helping to establish, manage and maintain a consistent protocol for cleaning, disinfection and sterilisation in a facility.



Enzyme and surfactant-based cleaning agent

SCHÜLKE has been involved in the area of infection control for over 118 years, and its company philosophy is centred around the concept of hygiene.



The chemical and pharmaceutical manufacturer provides products and services to protect people and materials against infections and contamination.

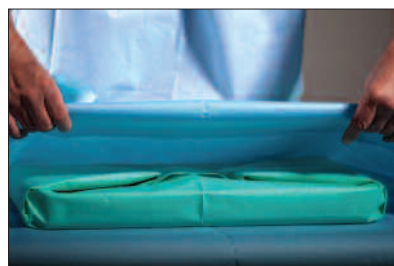
The specialist in cleaning and disinfection of flexible endoscopes, and other surgical instruments, will be showcasing its gigazyme Enzyme and surfactant-based cleaning agent.

Each product is said to have good material compatibility and has been developed to suit a broad range of AERs and manual cleaning methods. Its mixture of enzymes and surfactants provide enhanced cleaning performance.

Single-use products for sterile services

P3 MEDICAL is a UK manufacturer of medical devices for use in the operating theatre, anaesthesia/airway management and central sterile service departments (CSSDs). In addition to marketing its own range, P3 also acts as the UK distributor to a number of international medical device manufacturers, bringing innovative products into the NHS and private hospitals.

The company will be displaying its range of single-use products for sterile services at the event.



24-hour instrument service

BOLTON SURGICAL understands how important it is to replace the most commonly used instruments as quickly as possible. To ensure this is possible the company has implemented new inventory systems and manufacturing processes to ensure that the most popular products are always in stock and can be shipped within 24 hours of order.

The company has analysed its highest selling items and produced a top 50 list that is always in stock. Whether it is a Rampley's Sponge Forceps or Mosquito Artery Forceps, it is able to deliver replacements within 24 hours upon request.

All orders received by 12 noon will be despatched the following working day. Orders received later than this will be despatched the day after.



Sinks and hatches for all applications

In the last 12 months **GOLDSWORTH MEDICAL** has developed a range of height adjustable endoscopy sink units, designed and manufactured to individually suit all sites, with chemical storage and chemical distribution as required.

The company is also able to ensure that hatches are individually built to suit each

application – in either sterile services or endoscopy departments. If hatches are required within a fire-wall, in line of site of X-rays or laser equipment, the company has the solution. It is able to satisfy stringent technical requirements in the design, manufacture and approval of VHP containment, in large and small volume hatches and chambers.

The company designs and manufactures products to reduce manual handling in quantified clean areas for medical and pharmaceutical applications and has a team of engineers available for those with a requirement for specialist mechanical and electrical engineering for research, development or problem solving.

Single-use theatre instrument range

Operating from a purpose built manufacturing and distribution facility, incorporating a state-of-the-art cleanroom and a recently added ETO sterilisation chamber, **UNISURGE INTERNATIONAL** believes itself to be the fastest growing procedure pack provider in the UK.

Its range incorporates procedure packs, drapes and gowns, XRD swabs, dressing packs and a range of sterile supplementaries covering all specialities.

The company will be using the event to launch its new Signature range of single-use theatre quality surgical instruments.



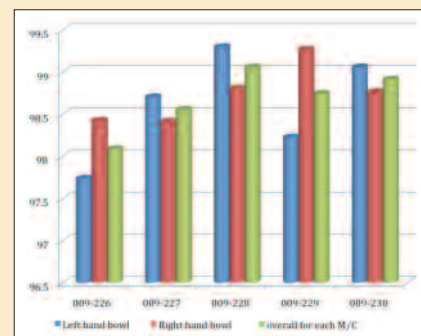
Reducing downtime in endoscopic decontamination

Analysis from a busy endoscope decontamination department has revealed an average of 98.67% operational 'uptime' for its five **WASSENBURG** WD440PT washer-disinfectors. A further two units, installed at a satellite hospital, are running at 99.22% giving a combined 'uptime' efficiency of 98.9%.

The study was carried out by Wassenburg UK's engineering manager, Bryan Taylor. The endoscopy suite at Russells Hall in Dudley was chosen for the review as this represents a busy department with a large number of washers and dryers.

Information from the hospital's process manager database was analysed to generate the report. The department went 'live' on the 24 of October 2011 and has five 2010 WD440PT's installed side-by-side in the GI unit. To calculate the 'uptime' for the washers, a six-month period was used running from 3 September 2012 to 3 March 2013.

The department opens for processing endoscopes from 8 am to 7 pm, Monday to Friday and from 8 am to 2 pm on Saturdays. These hours were used to determine the department 'available time' for processing endoscopes. Corbett Hospital uses the same



Process Manager database. The department here is open from 7am to 2pm Monday to Thursday. Again, these hours were used to determine the departments 'available time' for processing endoscopes. If a process failed or had been aborted, this was counted as a failed cycle and used to give a ratio of passed-to-failed cycles.

Failures outside the control of the machine were removed from the calculations. Average 'uptime' for all five machines was 98.67%. Total number of cycles ran was 5,696. Average 'uptime' for both machines at Corbett Hall was 99.22%. The total number of cycles run was 1,535.

Reliable storage and transport

MAILBOX: STAMFORD PRODUCTS

is a reliable partner for the storage and transport of instruments and medical materials for central sterilisation, surgery and pharmacy departments. The company's modular system offers product protection – ensuring operational cost savings.

It is an integrated storage system for Euronorm baskets and trays (600 x 400) DIN baskets (600 x 300) and both open and solid 900 mm wide open shelves which is quick and easy to assemble.

It also offers a full Shuttle system



transport trolley designed to carry sterilised sets from CSSD to their point of use particularly in outlying areas.

Quality decontamination equipment

As a worldwide supplier to the medical industry, **H4 MEDICAL** has over 20 years of experience supplying operating theatres and sterile services departments. H4 Medical's portfolio of products consists of:

- Flexible endoscopy brush kits.
- Workroom gowns for sterile services for both clean and dirty areas.
- Trinkets, small and large din baskets.
- Racking and storage systems – open and closed trolleys.
- Instrument protectors – corner cards and sponge corner protectors- hang labels in various colours plus large hang labels for containers
- Low-lint towels.



Incisive coverage

The Clinical Services Journal provides independent, incisive coverage of a broad spectrum of clinical topics with regular specific focus on key issues in the field of decontamination, infection control and perioperative care. CSJ will be reviewing selected sessions of the IDSc conference – highlighting key topics and discussion, as well as the latest innovations showcased at the event.

Ultrasound probe disinfection

NANOSONICS develops easy to use, environmentally friendly and quality assured products for the infection control market. Nanosonics is committed to preventing HCAs through its first product, Trophon EPR – the next generation in ultrasound probe disinfection. Nanosonics identified an unmet need in the market for fast, safe, eco-friendly probe disinfection. This technology effectively disinfects the probe, including the shaft and handle, in just seven minutes between patients.

Water treatment range

ELGA PROCESS WATER will be introducing the Thermapure Mini on its stand. At just 840 mm in height, the Mini is an addition to the Thermapure range, treating softened water at a delivery flow rate of 30 litres per minute.

The Thermapure range has been developed to treat hard or softened water and offers an interchangeable user defined RO make up rate of between 120600 litres per hour. The design and flexibility allows the system to be installed to meet existing water demands while allowing additional contingency for future expansion. The Thermapure combines high quality engineering, sensors and components to ensure the product performance and reliability are never compromised, while providing cost effective water to meet the latest decontamination guidelines.



Specialist services

AUDERE MEDICAL SERVICES provides a range of specialist services for multi-manufacturer decontamination equipment for all major UK, European and US brands. Customers do not need to call out individual manufacturers – with just one point of contact, the company can provide a wide range of benefits to help increase productivity while making budgetary and time cost savings. The company has also recently launched a complementary service providing customers and AEDs with 24/7 online access to their service and validation reports.

Single-use products complement sterile services

ROCIALE, a supplier to healthcare providers for over thirty years, offers wide ranges of single-use instruments and supplementary products such as polyware, swabs, dressings, scissors, cotton wool and non-woven balls that widen the range of services that can be provided by the sterile services department.

Single-use surgical instruments can be used to reduce costs by replacing reusable instruments that have long processing

times, and where loss and breakage are common. Supplied packed individually or in procedure specific sets, single-use instruments can help a hospital cope with seasonal fluctuations in demand and when large numbers of the same instrument sets are required because the hospital is focusing on a specific procedure.

Rociale's single-use instruments are packed and sterilised at its facility in South Wales, where one of Europe's

largest medical clean rooms and on-site e-beam sterilisation enable cost effectiveness and responsiveness, and where significant investment has recently been made in new packaging machinery.

