



# A PASSION FOR HEALTHCARE

**Total Hygiene Solutions**

**ECOLAB<sup>®</sup>**

Everywhere It Matters.™

# A PARTNER YOU CAN TRUST

Ecolab is a trusted partner at more than one million customer locations. Ecolab is a global leader in water, hygiene and energy technologies and services. Every day, we make the world cleaner, safer and healthier – protecting people and vital resources.

- ▲ 47,000 employees around the world
- ▲ Comprehensive solutions and on-site service
- ▲ Serving customers in the food, healthcare, energy, hospitality and industrial markets
- ▲ In more than 170 countries



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# WE'RE FOCUSED ON SOLVING THE BIG PROBLEMS



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All healthcare organizations have the same key objectives - treating and healing patients, ensuring their safety and the safety of staff and visitors.

At the same time, they need to adhere to regulations and to reduce operating costs by improving their systems and procedures. This field of tension is reflected in the challenges we identify in the four main applications where Ecolab can add value:

## Hand Hygiene

The greatest challenge to infection prevention teams remains compliant with best practice among staff in all areas. HAIs remain prevalent despite years of publicising the issue.

Better compliance is achieved by excellent training and on-going monitoring of hand hygiene behaviour together with the right products being available at all points of use. Without this, compliance rates remain very low and threaten the well being of patients through the transfer of pathogens.<sup>1</sup>

It is estimated that hand hygiene practices by healthcare workers are followed only 40% of the time.<sup>2</sup>

## Patient Room

Environmental hygiene, hand hygiene and effective skin decolonization and antisepsis are vital tools in minimizing the risk of healthcare associated infections (HAIs).

Unfortunately, applying the right products, following the right protocol is often quite challenging in everyday practice - resulting in many patient areas that are not well cleaned.<sup>(3-11)</sup> Up to 60% of high touch objects are often not cleaned at all.

52% of surfaces in patient rooms are contaminated even after cleaning.<sup>12</sup>

## Operating Room Turn-Over

Apart from the obvious need to maximise successful patient outcomes, there is pressure to reduce turnaround times, operating costs and to ensure staff safety.

Even in this high specification area, the practice of equipment and patient protection, surgical hand preparation, pre-operative skin antisepsis, environmental hygiene and training and monitoring need to be initiated, reinforced and maintained.

Although SSIs are among the most preventable HAIs, they still represent a significant burden in terms of patient morbidity and mortality and additional costs to health systems and service payers worldwide.<sup>13</sup>

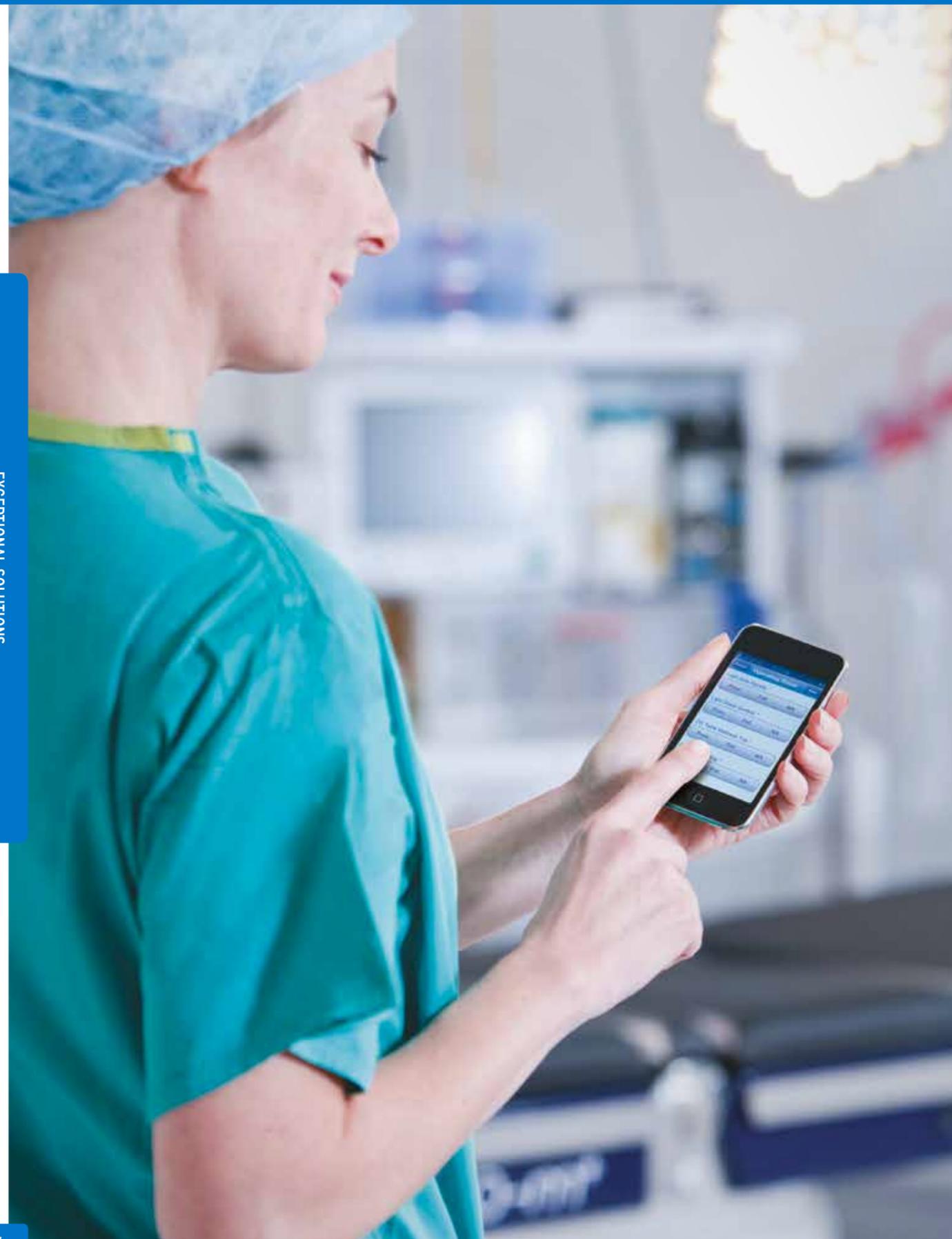
## Central Sterile Services Departments

About 44% of units had functions and practices classified as unacceptable and only 16% compliant with regulations and guidelines.<sup>6</sup>

Aside from the pressure on process times, non-standardized processes should be minimized. Adequate training to close knowledge gaps about key areas of proper instrument reprocessing, environmental hygiene and hand hygiene among CSSD staff is a major issue.

As many as 20% of surgical procedures result in preventable infections, frequently caused by contaminated instruments.<sup>14</sup>

# EXCEPTIONAL SOLUTIONS



At Ecolab we aim to answer all your challenges with a combination of great products, support and data. We deliver this through our Ecolab® Healthcare Programs combining technology, service, training and information.

## Technology

Our technology is the **foundation for your most desired outcomes**. **Best-in-class products** provide efficacious solutions that improve cleaning quality, compliance and efficiency, while decreasing your total costs of operation. Some of our solutions:

- ▲ The Incidin Oxy range
- ▲ Skinman Soft Protect
- ▲ IntraTemp
- ▲ Hush Slush

## Service

Our **personally-delivered service** is the fulfilment of our promise as your partner. Our service includes:

- ▲ Baseline Audits
- ▲ Process Optimization Support
- ▲ Preventative Maintenance
- ▲ Validation Preparation Support
- ▲ Site Surveys



## Information

Our information helps you **stay on top of all the key drivers of your outcomes**. **Our application of technology through solutions such as:**

- ▲ Customer Portal
- ▲ Hand Hygiene Compliance Monitoring
- ▲ Cleanliness of High Touch Objects (HTOs)
- ▲ Process Monitoring

## Training

Our industry understanding and expertise provides you with **best-in-class training** and on-site consultation with our training programs, including:

- ▲ Best Practice Cleaning Methods
- ▲ Hand Hygiene Compliance Training
- ▲ On-site Consultation

# OUR EXPERTISE

At Ecolab Healthcare we strive to become the undisputed global leader in delivering cleaner, safer, healthier environments for patients and healthcare providers.

Ecolab partners with customers to help increase efficiency, improve outcomes and reduce the risk of Healthcare Associated Infections (HAIs) by personally delivering comprehensive solutions facility-wide.

- ▲ Environmental Hygiene
- ▲ Instrument Reprocessing
- ▲ Surgical Solutions
- ▲ Antisepsis
- ▲ Hand Hygiene
- ▲ Sterile Barriers
- ▲ Contamination Control
- ▲ Patient Temperature Management

# HOW WE PARTNER WITH YOU TO IMPROVE



ABOUT ECOLAB HEALTHCARE

ABOUT ECOLAB HEALTHCARE

## 90+ YEARS OF BEST HYGIENE PRACTICE

<p>1923 Economics Laboratory founded by M.J Osborn</p>	<p>1970 Presence now in 50 countries due to global expansion throughout the '60s</p>	<p>2003 Formation of unified EMEA Healthcare Business</p>	<p>2003 Market expansion through acquisition of Adams Healthcare - a UK based specialist in IP, CC &amp; Thackray Surgical Instruments</p> <p><b>Adams</b> HEALTHCARE</p>	<p>2006 Industry and expertise expansion through acquisition of Shield Medicare - market leader in Contamination Control</p> <p><b>Shield Medicare</b> a division of Ecolab</p>	<p>2007 Extension of expertise in surgical IP with acquisition of Microtek Medical and their global operation</p> <p><b>MICROTEK</b></p>	<p>2011 Further geographical expansion and additional GMP manufacturing capability through acquisition of Esoform - IP market leader in Italy</p> <p><b>esoform</b> Manufacturing S.p.A. A Subsidiary of Ecolab</p>	<p>2016 Expertise expansion in Surgical fluid warming and cooling systems through purchase of the assets of O.R. Solutions Inc.</p> <p><b>OR SOLUTIONS</b></p>	<p>2016 Anios acquisition, a leading European manufacturer and marketer of hygiene and disinfection products for the healthcare, food service, and food and beverage processing industries</p> <p><b>ANIOS</b> Laboratoires Le professionnel de la désinfection</p>	<p><b>TODAY</b> We provide the most comprehensive solutions for healthcare hygiene</p>	<p><b>THE FUTURE</b> We continue to develop full service programs for the benefit of our customers and the safety of their patients</p>
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# ECOLAB® CENTRAL STERILE PROGRAM

## What if you could...

 Ensure **greater patient safety** through more thoroughly cleaned instruments

 Deliver **best practice training** to engage staff and maximize patient safety

 **Maximize savings** by organizing your processes, monitor your compliance to help you achieve your accreditation label

 **Reduce environmental impact** with lower waste, water, chemical and energy use

## BEST PRACTICE IN NUMBERS

Installing the SolidSafe System in your central sterile services department could lead to:

reduced storage space by up to

**96%**



**18 HOURS**

savings in product change replacement annually

Up to

**\$895 SAVINGS**

in waste annually by optimizing your waste management



Ecolab®  
Central Sterile Program

## THE ECOLAB® CENTRAL STERILE PROGRAM THE SYSTEMATIC APPROACH TO HIGHER COMPLIANCE AND CLEAN INSTRUMENTS

Ecolab Central Sterile Program has been developed to improve and monitor your processes to lead to greater patient safety. It also delivers cost savings and highly educated CSSD staff.



### Technology

Tailored solutions help ensure cleaner instruments but also improve workers' safety when applying products during daily procedures.

This is achieved through the development of our:

- ▲ Extensive product range
- ▲ Solutions specifically for CSSD issues
- ▲ Innovative dosing systems



### Service

Improvements in processes, dosing and product performance can be short-lived. Ecolab are there to ensure improvements are achieved continuously and have a state of the art cleaning process for your instruments.

To be able to ensure high cleaning results and deliver reliable outcomes in your manual and automated

processes, we developed a service program which provides:

- ▲ On site analysis of different parameters like dosing accuracy of chemicals, water quality, etc.
- ▲ Control of dosing devices
- ▲ Report out via service report with follow up actions



### Training

From our comprehensive set of training services and expertise, we consult with our customers on their tailored needs, based on a detailed assessment of their current situation.

To ensure our training solutions meet the challenges and special requirements for a CSSD environment, the main focus was put on:

- ▲ Product training
- ▲ Best Practice Cleaning Processes
- ▲ Expert webinars



### Information

Only the right combination of products, protocols, monitoring tools, services and training at the right time with the right support provides great results.

When developing our regime for the CSSD program, our main focus has been to provide:

- ▲ Audits and reports from the findings with clear recommendations
- ▲ Initial assessment for base line setting
- ▲ Process monitoring and report results

# ECOLAB® OPERATING ROOM PROGRAM

## What if you could...

**+** **Improve Operating efficiencies** with better workflows and consolidation of suppliers

**👍** Ensure your staff follow **Best Practice Cleaning protocols** designed to improve OR **Environmental Hygiene**

**⚙️** **Simplify processes** and deliver **improvements in OR Turnover times**

**\$** **Lower costs** by protecting the OR Mattress more effectively

## BEST PRACTICE IN NUMBERS

A hospital in the USA performs 1,100 surgeries/month in 19 ORs. After implementing the EnCompass Operating Room Program, major improvements in OR turnover time and cleaning efficacy were seen, and performance feedback for continuous improvement was provided. In addition, the OR mattresses were protected against cross-contamination and chemical damage resulting in additional savings.<sup>17</sup>

Saved over **\$15,000** IN OR MATTRESS REPLACEMENT COSTS

IMPROVEMENT FROM **28%** TO **97%** OF HTO'S CLEANED FOR IN-BETWEEN CASES

IN SIX MONTHS

IMPROVEMENT FROM **28%** TO **86%** HTO'S CLEANED FOR TERMINAL CLEANING

**5MINS** IMPROVEMENT IN OR TURNOVER TIME



## THE ECOLAB® OPERATING ROOM PROGRAM THE SYSTEMATIC APPROACH TO SAFE & EFFICIENT OPERATING ROOMS

Introducing the Ecolab Operating Room program - the systematic approach to safe and efficient operating rooms. Our Operating Room Program combined with CleanOp™ room turnover products takes a focused approach to OR turnover that provides healthcare facilities with a complete program that improves cleaning outcomes, conserves resources, improves safety and reduces waste.

### Technology

Efficient Operating Room turnover is critical to the success of any hospital.

Ecolab's EnCompass tools and processes with CleanOp disposable linens and microfiber products are designed to improve cleaning efficiency and minimize the risk of cross-contamination.

- ▲ Disposable linens
- ▲ Microfiber mops & wipes
- ▲ Hardware & tools
- ▲ Chemistry

### Service

The OR Program includes Ecolab Healthcare's sales and service expertise to support your on-going infection prevention efforts.

We work with you to evaluate and improve the OR turnover protocols and help you achieve safe and efficient ORs.

- ▲ Baseline assessment
- ▲ Check-In post Implementation
- ▲ Quarterly reviews
- ▲ Reliability of supply

### Training

The OR program helps deliver improved outcomes, increase engagement and improve operational efficiency.

By providing world class training on best in class cleaning practices and standardized OR turnover processes, the OR Program enables sustainable improvements in the OR environment.

- ▲ World class training on cleaning best practices
- ▲ Cleaning protocols consulting
- ▲ Product training
- ▲ In-person and online educational materials

### Information

Measuring your staff's effectiveness is critical to improved cleaning outcomes.

With a focus on high touch object cleaning, our program uses the patented DAZO™ fluorescent marking gel to objectively measure thoroughness of disinfection cleaning on critical surfaces.

- ▲ Customer portal and reporting
- ▲ EnCompass™ monitoring
- ▲ Consultation from baseline assessment

# ECOLAB® HAND HYGIENE PROGRAM

## What if you could...

 **Deliver best practice training** to engage staff and maximize patient safety

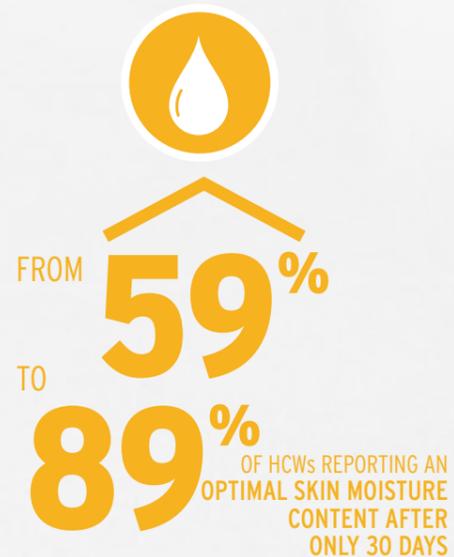
 **Reduce HAI risk** in the long term

 **Maximize compliance** through monitoring and product accessibility initiatives

 **Improve Operating efficiencies** with better workflows & supplier consolidation

## BEST PRACTICE IN NUMBERS

The EnCompass Hand Hygiene Program has given healthcare users some impressive results:<sup>18</sup>



## THE ECOLAB® HAND HYGIENE PROGRAM WORKING TOGETHER FOR BETTER HAND HYGIENE

Ecolab have developed a programmatic approach to help Infection Prevention teams implement a truly effective method to improve standards of hand hygiene in healthcare.

### Technology

To support your hand hygiene compliance target we've developed additional features in our program. Our goal is to deliver the best product in the best dispenser and at the right place.

A state of the art hand disinfectant designed to be used on an extremely frequent basis has to be

delivered in a unique dispensing solution accessible at all time to support your compliance, this is as important as product efficacy:

- ▲ Proven skin compatibility
- ▲ State of the art dispenser
- ▲ Optimized dispenser placement

### Service

Continued service visits enhance effectiveness, the Hand Hygiene Program includes Ecolab Healthcare's sales and a service expertise to support your ongoing infection prevention efforts.

Key Service elements in our patient room program are:

- ▲ Site Survey Assessment
- ▲ Hygiene Compliance Protocols
- ▲ Education & Training tools

### Training

From our comprehensive set of training services and expertise, we consult with our customers on their tailored needs, based on a detailed assessment of their current situation.

To ensure our training solutions meet the challenges and special requirements, the main focus was put on:

- ▲ Product training
- ▲ 5 moments training
- ▲ Monitoring training

### Information

Measuring the hand hygiene compliance of your staff and objectively assessing the whole hand hygiene structure are critical to improving infection prevention.

When developing our regimen for the Hand Hygiene Program, our main focus has been to bring the WHO

audits tools together with sophisticated technology:

- ▲ Baseline audit using 3 key WHO assessments
- ▲ Results presented on a secure online portal
- ▲ Customized report by staff, by ward level or by moment

# ENVIRONMENTAL HYGIENE



## THE RIGHT COMBINATION FOR A CLEAN ENVIRONMENT

A clean environment is an absolute requirement for best practice in patient care and infection control.

Specifically developed for the healthcare setting, our product range can be relied on to effectively disinfect and clean surfaces in all areas of the hospital.

Ecolab's combination of the right products for every surface, a unique monitoring program, best practice training and on-going support is proven to improve cleaning standards in the healthcare setting.

Our innovative range includes products which effectively clean and disinfect in one step, ready-to-use sprays as well as wipes and concentrates for all types of surface. Combined with our tools and our hygiene monitoring systems, we enable best practice in your facility.

# INNOVATION

## DISCOVER THE **OXY** EFFECT

Powered by Hi-speed hydrogen peroxide as the active, the Incidin Oxy range uniquely and for the first time combines the un-combinable:

### Effective

- 3 min. C. diff. efficacy enables effective prevention and remediation
- Practically relevant contact times enable protocol adherence

### Compliance Enabling

This combination of benefits means these products can really deliver practical disinfection compliance.



### Safe

- Active ingredient decomposes into water and oxygen
- Excellent material compatibility

### Convenient

- Handy, ready to use formats
- One-step cleaning and disinfection
- Virtually streak-free surfaces

## Incidin™ OxyFoam S & OxyWipe S

Sporicidal ready-to-use cleaner and disinfectants based on Hi-speed H<sub>2</sub>O<sub>2</sub>™

The innovative formulation of these products provides the benefits of a patented\* hydrogen peroxide solution with broad spectrum efficacy.

Effective against a wide range of bacteria, viruses and even spores, they leave no active residues - the active decomposing into water and oxygen after use.

Additionally, these products feature:

- Practical relevance: EN 16615 compliance
- Sporicidal & virucidal efficacy for all surfaces
- Excellent material compatibility

\*European Patent EP1987121



## Incidin™ OxyFoam & OxyWipe

Ready-to-use cleaner and disinfectants based on Hi-speed H<sub>2</sub>O<sub>2</sub>™

The standard Incidin Oxyfoam and Oxywipe products provide a very wide spectrum of efficacy, including fungi and mycobacteria.

Also based on Hi-speed H<sub>2</sub>O<sub>2</sub>™, these products combine efficacy with excellent material compatibility and are the products of choice for daily infection prevention by nursing teams as well as facilities services.

Just as the sporicidal versions, the Incidin OxyFoam and OxyWipe also feature:

- Real practical relevant efficacy (EN 16615 compliance)
- No active residue
- Excellent material compatibility



Use biocides safely. Always read the label and product information before use. For professional use only.

# READY-TO-USE LIQUIDS

Our Ready-to-Use (RTU) formulations provide maximum convenience, without the need for special dilution instructions, minimizing the risk of user error.

## Incidin™ Liquid

### Alcohol Based Ready-to-Use (RTU) Disinfectant

This alcohol based RTU formulation is characterized by its short contact times and easy handling.

Incidin Liquid offers high safety levels to the user through its broad spectrum of efficacy including TB and HBV.

Additionally, Incidin Liquid is:

- ▲ Free of residues
- ▲ Tested on a wide range of surface types - showing extensive material compatibility
- ▲ Quick drying



## Incidin™ Foam

### Cleaning and Disinfection in One Step

Our ready to use surface and medical device disinfectant combines short contact times with the properties of a gentle cleaner.

As well as being easy to use, its innovative foam bottle format makes application safer by eradicating aerosol inhalation.

Incidin Foam also provides:

- ▲ Cleaning and disinfection in one step
- ▲ Broad spectrum antimicrobial efficacy
- ▲ Excellent material compatibility - tested on metals, plastics and floor surfaces



## CITROclorex 2% MD

### Ready to Use Surface Disinfectant for Medical Devices

Ideal for use on small medical devices such as catheters, CITROclorex 2% MD is an alcoholic solution based on isopropanol and chlorhexidine digluconate.

Available in a range of convenient formats, disinfection of even the most difficult to reach areas is assured.

It also provides:

- ▲ Broad spectrum efficacy
- ▲ Immediate and persistent action
- ▲ Ease of use



# WIPES

We provide a choice of ready-to-use, pre-impregnated wipes as well as high quality dry wipes for use with a selection of disinfectants and detergents.

## Incides™ N

### Alcohol Based Ready-to-Use (RTU) Wipes

The alcohol impregnated RTU wipes provide broad efficacy spectrum and convenience.

Incides N wipes are effective disinfectant wipes for all alcohol-resistant surface types.

Additionally, Incides N wipes provide:

- ▲ Excellent material compatibility - tested on metals, plastics and floor surfaces
- ▲ Cost effectiveness
- ▲ A quick drying formulation
- ▲ No residue



## Sani-Cloth™ Active

### RTU Alcohol-free Wipes

A high quality QAC-based wipe with unique efficacy - including TB and viruses such as Noro and Polio.

Sani-Cloth Active provides:

- ▲ Excellent material compatibility including sensitive surfaces like monitors and ultrasound probes
- ▲ Cleaning and disinfection in one step
- ▲ A range of convenient formats



## Incidin™ Dry Wipes

### Dispenser and Wipe System

A reusable wipes dispenser to hold non-woven Incidin Premium Wipes or Incidin Basic Wipes.

The system provides:

- ▲ Optimum efficiency and reliability
- ▲ Adaptability to a variety of cleaning protocols
- ▲ Confirmed compatibility with various surface disinfectants and cleaners



# CONCENTRATES

Our range of concentrates for environmental hygiene combines maximum efficacy, speed and compatibility with minimum wastage, being more easily transportable to their points of use.

## Incidin™ PRO

### Advanced Surface Disinfection Concentrate

With its unique 'SMART-BALANCED' formulation, Incidin Pro is suitable for use in all areas of the healthcare environment.

Being effective against a broad range of environmental pathogens, including Norovirus, it can be used with confidence to clean and disinfect all types of hard surface.

Incidin Pro also provides:

- ▲ Short contact times
- ▲ Excellent material compatibility
- ▲ Low use concentrations
- ▲ Excellent cleaning performance



## Incidin™ Rapid

### QAC and Glutaraldehyde Based Concentrate

Incidin Rapid is an ideal surface disinfectant for all types of surfaces and is an especially good option for areas where a broad efficacy spectrum including non-enveloped viruses and C. diff is essential.

With a wide range of bactericidal, yeasticidal, virucidal and sporicidal (Clostridium difficile) properties.

Incidin Rapid also provides:

- ▲ Cleaning and disinfection in one step
- ▲ Excellent material compatibility
- ▲ Low use concentrations



## Incidin™ Active

### Active Oxygen Based Concentrate

Incidin Active combines powerful surface disinfection with excellent cleaning properties in one step.

It meets a wide range of international test standards making this an ideal product also in outbreak situations.

Additionally, Incidin Active provides:

- ▲ A peracetic acid generating system 'PerOxyBalance™' which also ensures powerful virucidal and sporicidal action
- ▲ Optimum material compatibility



## Actichlor™ Plus

### Chlorine Based Disinfectant

Effervescent NaDCC tablets containing chlorine compatible detergent.

Actichlor Plus combines excellent cleaning and disinfection performance in one easy step.

It also provides:

- ▲ Broad spectrum efficacy against all bacteria, spores, yeasts, moulds and viruses including Hepatitis B and HIV
- ▲ Ease of use with tablets and dilution bottle



# EQUIPMENT

Besides the mandatory use of state of the art surface disinfection and cleaning products, appropriate application of these is key to ensuring safe and effective use. Ecolab offers dosing devices and cleaning tools (mops, cloths, trolleys) meeting these requirements.

## DG 3

### Dosing Unit

DG-3 is a microprocessor-controlled dosing unit for the supply of a ready-to-use disinfectant solution for instrument and surface disinfection.

The unit is designed for stationary use.

- ▲ Integrated profitability analysis
- ▲ Operated via LCD display
- ▲ Wide range of application
- ▲ Two door design



## Mobilette™ Vario Maxx

### Modular Cleaning System - One Concept, Endless Possibilities

The Vario Maxx system offers a wide range of different configurations to suit every environmental cleaning application.

Additionally Ecolab can offer a broad range of:

- ▲ Mops
- ▲ Holders
- ▲ Buckets
- ▲ Cloths



# PRODUCT SUMMARY

AREA OF USE	PRODUCT	SUITABLE FOR				EFFICACY TESTS PASSED								
		CLEANING	DISINFECTION	BODY SPILLS	QUICK DRYING	EN 16615	DGHM SURFACE TEST	EN 13727 BACTERICIDAL EFFICACY	EN 13624 YEASTICIDAL EFFICACY	EN 14348 TUBERCULOCIDAL EFFICACY	EN 13704 SPORICIDAL EFFICACY	EFFECTIVE AGAINST ENVELOPED VIRUSES ACC. RKI 1/2004	NOROVIRUS EFFICACY ACC. EN 14476/DVV	VIRUCIDAL ACC. RKI 01/2004/EN 14476
CONCENTRATES	Incidin Pro	✓	✓				✓	✓	✓	✓		✓	✓	✓
	Incidin Rapid	✓	✓				✓	✓	✓		✓	✓	✓	✓
	Incidin Active	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓
READY-TO-USE LIQUIDS	Actichlor Plus	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓
	Incidin OxyFoam S	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
	Incidin OxyFoam	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
	Incidin Liquid		✓		✓		✓	✓	✓	✓	✓	✓	✓	✓
WIPES	Incidin Foam	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓
	CITROclorex 2% MD		✓		✓			✓	✓	✓	✓	✓	✓	✓
	Incidin OxyWipe S	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
	Incidin OxyWipe	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
	Incidin N		✓				✓	✓	✓	✓	✓	✓	✓	✓
	Sani-Cloth Active	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓
	Incidin Dry Wipes	✓	✓											

# INSTRUMENT REPROCESSING



## ADVANCED SOLUTIONS FOR OPTIMUM RESULTS

Ecolab's instrument reprocessing range has been designed to provide maximum protection for patients, staff and instruments combining high efficacy products with ease of use and safety, as well as material compatibility.

Ecolab is working with instrument manufacturers worldwide to bring you detergents and disinfectants that give excellent material compatibility for a wide range of medical devices.

We provide customer solutions which go far beyond the use of our chemistry. We have developed a range of equipment to ensure safe accurate dosing of our products, solid chemistry, which greatly reduces handling and waste and more efficient delivery systems.

Availability of products may vary by country.

# INNOVATION

Product innovation such as SolidSafe, combined with monitoring programs and best practice assessments mean Ecolab can help make significant improvements in cleaning and disinfection standards in Central Sterile Services Departments (CSSDs).

## SOLIDSAFE™ SYSTEM

### A MAJOR ADVANCE IN SAFETY AND ERGONOMICS IN YOUR CSSD

Specifically developed to help promote health and safety within your department.

SolidSafe is designed to promote staff safety in CSSD and the system helps ensure greater compliance with best practice.



SolidSafe is a patented technology of highly concentrated solid chemistry. SolidSafe technology is available exclusively from Ecolab and is delivered through our unique dispenser system.



The SolidSafe System from Ecolab offers innovative solutions to these issues and more:

- ▲ 4kg of concentrated solid equals 80L of concentrated liquid which results in a big ergonomic advantage for your personnel
- ▲ No leaks or drips: safer floors, no chemical exposure
- ▲ Continuous workflow: capsules reduce change-overs and increase speed
- ▲ Reduced packaging waste, lower environmental burden
- ▲ Greatly reduced storage and transportation costs

# MANUAL INSTRUMENT REPROCESSING

Used instruments should be reprocessed as soon as possible. Pre-Cleaning of medical instruments and endoscopes is a pre-condition for an effective disinfection. An effective disinfection and sterilization is not possible without good cleaning results. Remaining soil can fixate to the instrument when using improper products.

## Manual Cleaning

### Sekusept™ MultiEnzyme Enzymatic Detergent

A low foaming formulation with a unique blend of surfactant and enzymes for excellent cleaning performance.

Light blue use solution makes instruments highly visible. Residues of solution can easily be rinsed after immersion.

Sekusept MultiEnzyme:

- ▲ Saves time
- ▲ Avoids re-cleaning
- ▲ Significantly improves the overall cleaning process
- ▲ Also fragranced version available



### Sekusept™ Pure Clean Enzyme Free Detergent

Surfactant based, neutral to mild alkaline, fragrance-free formulation, for a high cleaning performance.

Sekusept Pure Clean comes with a light blue color to visually indicate the product has been applied. The low foaming formula provides high visibility in use and is easy to rinse after the cleaning step.

Additionally, Sekusept Pure Clean:

- ▲ Is compatible with a wide range of materials
- ▲ Is economic with low in-use concentrations
- ▲ Avoids re-cleaning and saves time



## Manual Cleaning and Disinfection

### Sekusept™ Extra N Liquid Disinfectant

A Glutaraldehyde-based liquid concentrate that provides a broad efficacy spectrum with excellent material compatibility for a wide range of medical devices including flexible endoscopes.

Sekusept Extra N also:

- ▲ Saves time
- ▲ Improves efficiency



Endoscopes represent the most challenging of medical devices to clean and disinfect. Ecolab's research and development team has worked for over 30 years to develop and continuously improve a range that maximizes efficacy, material compatibility and user acceptability.

## Manual Cleaning and Disinfection

### Sekusept™ PLUS Cleaner and Disinfectant

Glucoprotamin-based concentrated liquid cleaner and disinfectant with a broad efficacy spectrum including TB.

Suitable for a variety of medical devices including flexible endoscopes (approved by Olympus).

Sekusept PLUS also provides the benefit of:

- ▲ Cleaning strength for heavily soiled instruments
- ▲ Excellent material compatibility for your instruments



## Terminal Disinfection

### Sekusept™ Easy Disinfectant

Peracetic acid based multi-shot terminal disinfectant for endoscope reprocessing, with PerOxyBalance™ technology.

With the non-activating period and short contact times it helps to reduce your reprocessing times.

Sekusept Easy is:

- ▲ Simple to prepare
- ▲ Fast acting
- ▲ Material compatible (Olympus approved)



### Sekusept™ Aktiv Cleaner Disinfectant

Peracetic acid based powder product for pre-disinfection and terminal disinfection, with outstanding cleaning and material compatibility properties for manual use.

Features PerOxyBalance™ technology and is suitable for all kinds of instruments including flexible endoscopes (Olympus approved).

Sekusept Aktiv is:

- ▲ Timesaving - for a fast re-use of your instruments
- ▲ Material Compatible - supporting a long life cycle of your instrument
- ▲ Effective also against spores



# AUTOMATED INSTRUMENT REPROCESSING

It is becoming more challenging to achieve an excellent cleaning efficacy for instruments as these devices become increasingly complex. Ecolab's research and development team has worked for over 30 years to develop and continuously improve a range that maximizes efficacy, material compatibility and user acceptability.

## Liquid Cleaner

### Sekumatic™ ProClean Alkaline Cleaner

Mild-alkaline detergent that has been specifically formulated to combine high cleaning performance with excellent material compatibility, including anodized aluminium.

With a pH value in solution of 10 - 10.5, Sekumatic ProClean also:

- ▲ Provides good cleaning performance
- ▲ Is surfactant free



### Sekumatic™ FR Alkaline Cleaner

High-alkaline cleaner providing excellent cleaning efficacy with good material compatibility.

Sekumatic FR provides:

- ▲ Excellent cleaning performance
- ▲ Cost efficiencies



## Liquid Neutral Cleaner

### Sekumatic™ FRE Enzymatic Cleaner

pH neutral enzymatic detergent for cleaning all kinds of medical devices.

Especially suitable for sensitive materials. Sekumatic FRE contains a combination of surfactants and protease enzymes to optimize cleaning performance.

Sekumatic FRE is:

- ▲ An enzymatic cleaner with excellent material compatibility
- ▲ One product suitable for all materials



Our range of liquid cleaners and neutralizing agents provides cost-effective solutions for decontaminating a wide range of medical devices without compromising on efficacy or material compatibility.

## Liquid Disinfectant Cleaner

### Sekumatic™ FDR Disinfectant

Glucoprotamin-based cleaner and disinfectant for automated reprocessing suitable for a wide range of applications.

Disinfectant and cleaner for the automated chemical disinfection process in a medical environment.

Sekumatic FDR offers:

- ▲ A one step cleaner and disinfectant
- ▲ Ideal for thermal sensitive materials



## Liquid Neutralizer

### Sekumatic™ FNZ Citric Acid Neutralizer

Citric acid based neutralizing agent for use after alkaline cleaning, depending on water quality. Surfactant-free.

Neutralizing agent for use after a high alkaline cleaner.

Sekumatic FNZ provides:

- ▲ Good material compatibility
- ▲ Cost effective neutralizer in combination with a high alkaline cleaner



## Liquid Rinse Aid

### Sekumatic™ FKN Rinse Aid

pH neutral rinse aid to reduce the drying time in washer-disinfectors.

Stainless drying for surgical instruments, containers, carts and bedframes.

Sekumatic FKN:

- ▲ Shortens your total cycle time
- ▲ Provides a good material compatibility due to a neutral pH in use



# SOLID CHEMISTRY

SolidSafe is a patented technology of highly concentrated solid chemistry. It is available exclusively from Ecolab and is delivered through our unique dispenser system.

## MetalClean

with SOLIDSAFE<sup>®</sup> technology

A mild alkaline-based cleaning agent with excellent material compatibility.

- ▲ Excellent safety profile
- ▲ Good material compatibility
- ▲ Usable with various water hardnesses

Formulated for the automated cleaning of all kinds of surgical instruments, including anodized aluminium. Proven efficacy against prions.



A MetalClean Capsule  
≈ 80L liquid concentrate.

## MetalClean Plus

with SOLIDSAFE<sup>®</sup> technology

A mild alkaline-based cleaning agent for use in very soft water conditions.

- ▲ Excellent material compatibility
- ▲ Minimizes waste
- ▲ Environmentally responsible

Excellent material compatibility for all kinds of surgical instruments including anodized aluminium.



A MetalClean Plus Capsule  
≈ 80L liquid concentrate.

## AlkalineClean

with SOLIDSAFE<sup>®</sup> technology

Innovative alkaline-based highly concentrated solid cleaning agent.

- ▲ Innovative format improving safety standards in the cleaning environment
- ▲ The unique formula delivers excellent performance with reliable cleaning outcomes
- ▲ Environmentally responsible

Ensures excellent cleaning performance with reliable cleaning outcomes.



An AlkalineClean Capsule  
≈ 40L liquid concentrate.

## NeutraPlus

with SOLIDSAFE<sup>®</sup> technology

A unique blend of citric, phosphoric and sulfamic acid for neutralization after alkaline cleaning.

- The unique formula delivers:
- ▲ Excellent cleaning performance
  - ▲ Reliable cleaning outcomes
  - ▲ Minimal waste



A NeutraPlus Capsule  
≈ 40L liquid concentrate.

# EQUIPMENT

Our innovative dispensing and dosing systems not only mean greater safety for operators, they also guarantee accurate, consistent dosing when used correctly.

## SolidSafe Dispenser

Fully automated dispensing unit for solid chemistry

The SolidSafe Dispenser is part of the unique SolidSafe System that revolutionises the automated cleaning of surgical instruments.

Offering significant safety and efficiency benefits, it also provides excellent cleaning performance.

- ▲ Innovative format improves safety standards in the cleaning environment
- ▲ Proven reliability with independent testing and validation
- ▲ Environmentally responsible



## DG 3

Dosing Unit

DG-3 is a microprocessor-controlled dosing unit for the supply of a ready-to-use disinfectant solution for instrument and surface disinfection.

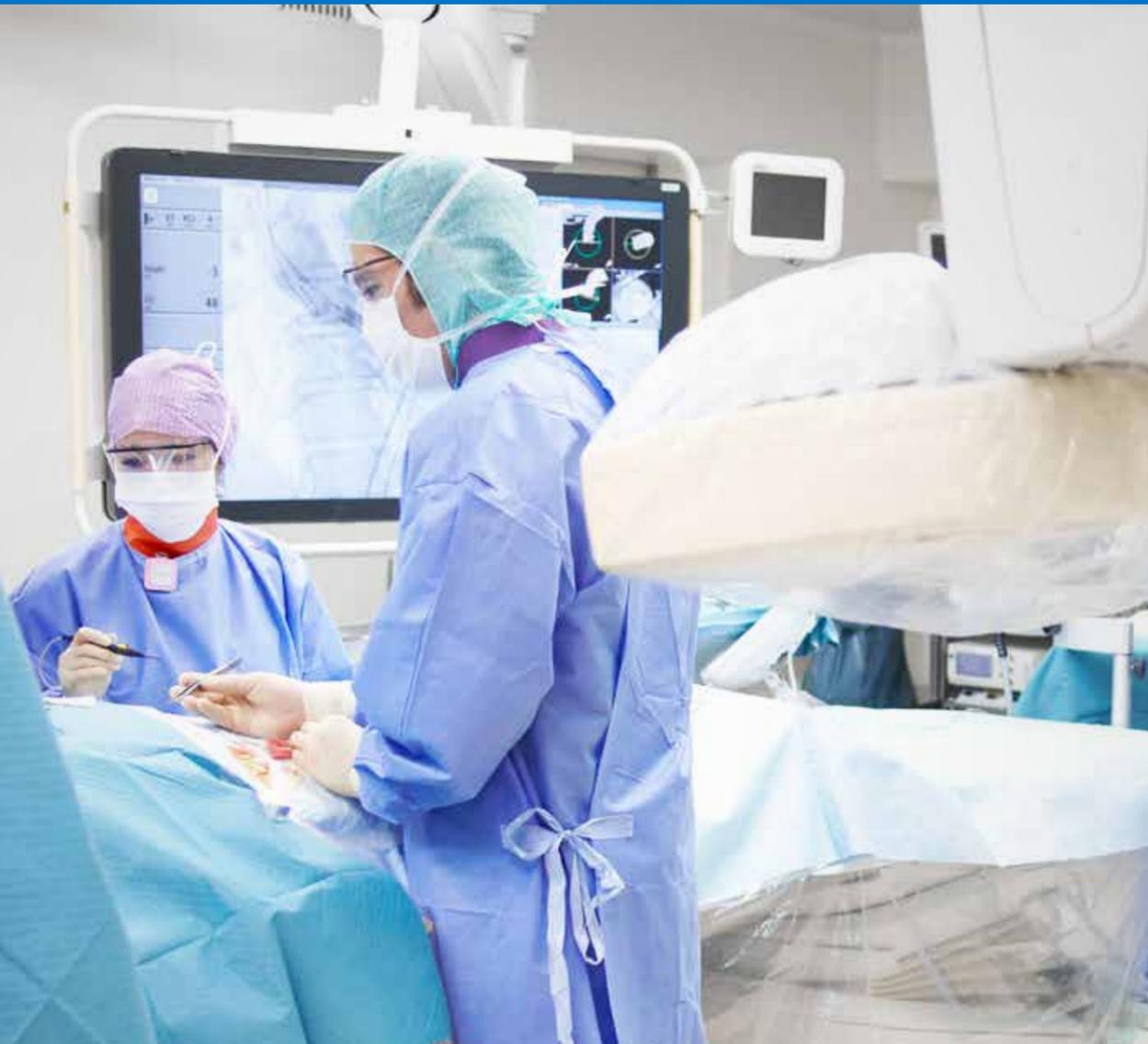
The unit is designed for stationary use.

- ▲ Integrated profitability analysis
- ▲ Operated via LCD display
- ▲ Wide range of application
- ▲ Two door design



# PRODUCT SUMMARY

AREA OF USE	PRODUCT	SUITABLE FOR										EN TESTS PASSED							
		ENDOSCOPE PROCESSING	MANUAL USE	AUTOMATED USE	ULTRASONIC BATHS	TERMINAL DISINFECTION	CLEANING	NEUTRALIZATION	PRE DISINFECTION	CHEMOTHERMAL DISINFECTION FOR AUTOMATED	RINSE	MEDICAL DEVICE CLASS I	MEDICAL DEVICE CLASS IIB	EN 13727 BACTERICIDAL EFFICACY	EN 13624 YEASTICIDAL EFFICACY	EN 13704 SPORICIDAL EFFICACY	EN 14348 TUBERCULOCIDAL EFFICACY	EFFECTIVE AGAINST VIRUSES ACC. EN 14416 VIRUCIDAL EFFICACY	EFFECTIVE AGAINST ENVELOPED VIRUSES ACC. ENI RECOMMENDATION 01/2004 (01/2008)
SOLID CHEMISTRY	MetalClean			✓			✓					✓							
	MetalClean Plus			✓			✓				✓								
	NeutraPlus			✓				✓			✓								
	AlkalineClean			✓			✓				✓								
AUTOMATED INSTRUMENT REPROCESSING	Sekumatic ProClean			✓			✓				✓								
	Sekumatic FR			✓			✓				✓								
	Sekumatic FRE			✓			✓				✓								
	Sekumatic FDR			✓			✓			✓	✓	✓							
	Sekumatic FNZ			✓			✓			✓	✓								
	Sekumatic FKN			✓			✓				✓	✓							
MANUAL INSTRUMENT REPROCESSING	Sekusept MultiEnzyme	✓	✓		✓		✓				✓								
	Sekusept Pure Clean	✓	✓		✓		✓				✓								
	Sekusept PLUS	✓	✓		✓		✓				✓								
	Sekusept Extra N	✓	✓		✓		✓				✓								
	Sekusept Easy	✓	✓		✓		✓				✓								
Sekusept Aktiv	✓	✓		✓		✓				✓									



## SUPERIOR PROTECTION FOR EQUIPMENT AND PERSONNEL

By working with Original Equipment Manufacturers (OEMs), we are confident of covering all needs in the area of surgical draping.

Ecolab's highly innovative range of protective covers help to provide an effective sterile barrier and increase the life expectancy of expensive and valuable equipment.

This is aside from the protective benefits that drapes and covers provide both staff and patients during all procedures, whether major surgery or minor cases.

Our balanced range of products mean that whatever your need in the Operating Room, we have it covered.

CleanOp™ is a complete system for the hygienic protection of the operating table and ancillary items.



## CleanOp™

### COMPLETE PROTECTION FOR THE OR MATTRESS

The range includes single-use items that are designed to protect operating tables, armboards and headrests from fluid contamination. CleanOp makes post-surgery theatre cleaning quick and efficient.

- ▲ Single-use
- ▲ Proprietary Mojave™ Absorbent OR Disposable Linens help with fluid control
- ▲ Impervious protection of the whole operating table to reduce cleaning time



### Unique Mojave Technology

- 1 Breathable, comfortable upper patient layer
- 2 The patented Mojave layer, with its super-absorbent core wicks fluids away and locks them in
- 3 Impervious backing prevents bodily fluids and liquids reaching the mattress and table

SURGICAL

SURGICAL

# SURGICAL DRAPES & COVERS

Our equipment drapes encompass a wide variety of covers for medical equipment to help protect from the risk of contamination and ensure sterile conditions wherever required.

## Microscope Drapes

A Wide Range of Drapes for Surgical Microscopes

A unique and wide range of high quality microscope drapes designed with leading OEMs to ensure optimal image quality and protection of your expensive equipment.

- ▲ Improved light transmission
- ▲ Less glare
- ▲ Custom fit to many leading surgical microscopes



## C-Arm Drapes

OEM Driven C-Arm Solutions that Fit All Types of C-arms from Hybrid to Flat Panel

Imaging is an increasingly important part of many procedures. Protection of the sterile field, combined with the knowledge that imaging equipment is safeguarded from surgical fluid damage is vital.

Our C-Arm draping solutions offer coverage for the sterile field, with a range of sizes and brand specific solutions whatever your needs.

- ▲ Universal but custom fit when needed
- ▲ Providing optimal protection in every condition
- ▲ Ease of draping to reduce time and complexity



## Endoscopic Camera Drapes

A well balanced line of Products to Deliver a Sterile barrier and Innovative Features

Our comprehensive range of camera drapes provides for every type of video camera and cable.

Various configurations of covers are available including telescopically folded, ring folded and the Closed System Coupler drape. Our Closed System Coupler drape allows multiple endoscope exchanges without breaking the sterile field.

- ▲ Single Use
- ▲ Ease of use
- ▲ Cost effective



# SURGICAL DRAPES & COVERS

With ongoing innovations for future needs, being developed in association with manufacturers of medical equipment, Microtek's dedicated expertise ensures the best solution to cover virtually every piece of equipment in your facility.

## Banded Bags and Other Drapes

A Structured Offering of Covers to Protect All Your Other Needs in the Operating Room

Quick and easy to fit over a variety of OR equipment, each bag can be easily identified by a conveniently located label.

These banded bags are ideal for a broad range of applications in the OR, angiography room and cath lab. Completing the range of polyethylene covers, the ancillary drapes are ideal for several applications.

A transparent foil ensures that your equipment remains visible.

- ▲ Ease of use
- ▲ Universal to make and type
- ▲ One stop shop creating internal efficiency



## Probe Covers

General Purpose Probe Covers, Latex Free Featuring Iso-Silk™

Ultracover offers a complete range of disposable covers to protect patients and employees against the transmission of infectious diseases during procedures with ultrasound transducers.

The extensive range of covers are high quality, user friendly and latex free.

Ultracover protective covers work efficiently while guaranteeing optimum hygiene without affecting the quality of the ultrasonic images.

- ▲ Focused on imaging performance
- ▲ Complete range to cover all your ultrasound needs
- ▲ Latex free

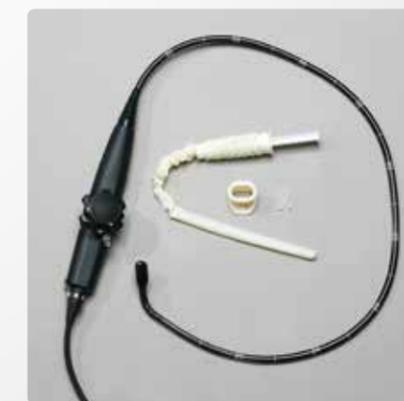


## TEE Covers

First to Market TEE Covers that Combine Ease of Use, Optimal Imaging and Patient Safety

Unique high elastic probe cover with applicator for easy use and transmission gel already set in place.

- ▲ Wide range of product combinations focused on easy application
- ▲ All products are manually checked to guarantee the highest quality
- ▲ All covers available as a latex-free alternative



# SURGICAL DRAPES & COVERS

Where there are special needs from fluid control to higher levels of flexibility and functionality for selected procedures, Microtek has created specialty specific patient drapes with added features to assure ease of use and exceed your expectations.

## Drape Armour™

### Protection from Scatter Radiation During Interventional Radiology/Cardiology

Microtek innovations such as Drape Armour offer levels of protection now recognized by many as standard essentials in daily practice.

- ▲ Variety of drape formats to protect from radiation
- ▲ Free positional shield
- ▲ Scientific proven benefits



## CleanOp™

### Protective Cover System

CleanOp is a complete system for the hygienic protection of the operating table and ancillary items.

The range includes single-use items that are designed to protect operating tables, armboards and headrests from fluid contamination. CleanOp makes post-surgery theatre cleaning quick and efficient.

- ▲ Single-use
- ▲ Proprietary Mojave Absorption to keep the surface soft and increase patient comfort
- ▲ Impervious protection of the whole operating table to reduce the time required to clean



## Patient Drapes

### Innovative, Single-use Draping

Our patient drapes offer ease of use, enhanced fluid control and sterile barrier protection to reduce risk of Healthcare Acquired Infections (HAIs).

They often enable the replacement of multiple drapes with a single one to save time and increase efficiency.

As well as general purpose surgery, we offer a full line of procedure-specific drapes for the following specialties:

- ▲ Urology
- ▲ Obstetrics-Gynecology
- ▲ Orthopedics
- ▲ Interventional Radiology
- ▲ Interventional Cardiology
- ▲ Neurosurgery
- ▲ Ophthalmology
- ▲ ENT



# PATIENT TEMPERATURE MANAGEMENT

Providing systems that deliver immediate access to warm Irrigation Fluids and also for applications that require Tissue Cooling.

## IntraTemp™

### Continuous Warm Irrigation Fluid at Controlled Temperature

The IntraTemp Fluid Warming System from Ecolab provides immediate access to warm irrigation fluid within the sterile field at a visible and controlled temperature to reduce the risk of hypothermia. Safe and simple to use in combination with the ThermaBasin™.

- ▲ Confidence of proper fluid temperature at point of use
- ▲ Reduces risk of hypothermia
- ▲ Potential to minimize costly surgical site infections (SSIs)
- ▲ Improves patient outcomes



## Hush Slush™

### Tissue Cooling for Transplants and Cardiac Surgery

During procedures requiring rapid cooling of tissue or organs, Hush-Slush from Ecolab delivers surgical slush to apply on the tissue which improves patient safety and saves valuable nursing time.

The proprietary Auto-Stir™ technology automatically stirs the solution while cooling producing a high quality velvet soft surgical slush.

- ▲ Minimizes the risk of trauma to delicate tissue
- ▲ Saves valuable nursing time
- ▲ Easy to operate and maintain





## QUALITY PRODUCTS FOR THE PREVENTION OF INFECTION

Effective decolonization and antiseptics is vital to minimize the risk of micro-organisms entering the body by any iatrogenic skin transection which constitutes a major risk of Healthcare Acquired Infections (HAIs) and Surgical Site Infections (SSIs).

The human skin, containing more than 1,000 different micro-organisms in its flora, acts as the main barrier in preventing micro-organisms from entering the body. Any transection of the skin or mucous membrane disturbs the skin barrier and creates a risk of infection.

As it does on the skin, antiseptics plays a crucial role in infection prevention when treating mucous membranes and wounds.

Ecolab offers a broad range of products featuring accepted actives, developed to meet all of your decolonization and antiseptics needs.

Human skin and mucous membranes are not sterile organs, hosting various micro-organisms. Our product offering ensures effective antiseptics prior to any iatrogenic skin transection.

## CITROclorex 2% / CITROclorex 2% RED

### Ready to Use Skin Disinfection

Based on 70% (w/w) Ethanol and 2% (w/w) Chlorhexidine digluconate, both CITROclorex 2% and CITROclorex 2% RED ensure immediate and residual disinfection.

Unlike other chlorhexidine based products, CITROclorex 2% RED's dyeing agent ensures a persistent red colour on the skin area to be treated.

- ▲ Broad and proven antimicrobial efficacy
- ▲ Good skin compatibility
- ▲ Reliable active formulation, recommended in various guidelines
- ▲ Broad range of formats including a convenient dyed version ensuring ease of use



## Hydrex™ 0.5% Clear / Pink

### Pre-operative Skin Preparation

Licensed, chlorhexidine gluconate based formula with immediate and persistent long lasting residual effect for added reassurance and protection.

Provides a persistent and cumulative effective barrier for at least six hours.

- ▲ Reassured efficacy in short contact times against a wide range of pathogens
- ▲ Easy application also in hard to reach body folds contributing high antiseptics compliance
- ▲ Quick drying



## Skinsept™ Pur/Color

### Ready to Use Skin Disinfection

The alcohol based formulation ensures an effective and immediate disinfection of the skin prior to any invasive procedure.

Available in a clear formula (Skinsept Pur) and staining formula (Skinsept Color), there is a product for each different need.

- ▲ Broad spectrum efficacy
- ▲ Various pack formats available ensuring easy application
- ▲ Quick drying



# DISINFECTION / ANTISEPSIS

While state of the art skin and mucous membrane antiseptics is vital to prevent pathogens from entering the human body, wound antiseptics is predominantly recommended for traumatic accident wounds and wounds showing signs of infection (like redness, swelling, odor, purulent wound exudation).

## Videne™ Alcoholic Tincture

### Pre-operative Skin Disinfection

Based on 10% (w/w) PVP iodine in a solution containing 30% (v/v) IMS, Videne Alcoholic Tincture is indicated as a quick-drying antiseptic for pre-operative skin disinfection, particularly in orthopaedic surgery.

- Effective against a wide range of pathogens
- Suitable for surgical use with diathermy ensuring reliable use in OR
- Quick drying



## Videne™ Antiseptic Solution

### Proven Antiseptic for a Broad Range of Uses

Videne Antiseptic Solution gradually releases iodine from povidone iodine, and is indicated for effective antiseptics of skin, mucous membrane and wounds.

- Broad efficacy, confirmed meeting latest norms
- Trusted by healthcare professionals and a large evidence base for the use of aqueous povidone-iodine for skin, mucous membrane and wound antiseptics
- High efficacy combined with excellent tolerability ensures no impairment of wound healing



## Chlorhexidine Mouthwash

### Antiseptic Solution for Oral Use

Highly effective 0.2% Chlorhexidine Gluconate mouthwash, ideal for immuno-compromised patients.

Available in original or peppermint flavour, Chlorhexidine Mouthwash:

- Increases oral hygiene, to stop plaque from forming
- Maintains good oral hygiene
- Helps to treat and prevent gingivitis
- Promotes gum healing following oral surgery



# SKIN DECOLONIZATION

Our products indicated for antimicrobial whole body decolonization ensure a wide range of application areas to support a decolonization regime.

## Hydrex™ Surgical Scrub

### Pre-operative Hand Washing and Skin Decolonization

Evidence-based formulation for effective skin decolonization and hygienic hand washing containing 4% (w/v) chlorhexidine digluconate.

- Licensed chlorhexidine gluconate based formula with long lasting residual effect for added reassurance and protection
- Broad range of uses, both recommended for hygienic hand wash and pre-operative skin decolonization



## Skinsan™ Scrub N

### Antimicrobial Body Wash

An antimicrobial whole body washing lotion and foam that maximises cleaning and decolonization without compromising skin compatibility. A reliable alternative for nursing teams and patients

- Strong** - provides a broad and residual (24 hours) efficacy
- Gentle** - Excellent skin compatibility and skin caring properties, proven in daily hospital routine
- User-Optimized** - The combination of antimicrobial efficacy, skin soothing properties and ease of use, contributes to an increase in decolonization compliance



## PRODUCT SUMMARY

AREA OF USE	PRODUCT	SUITABLE FOR								
		SKIN CLEANSING & DECOLONIZATION	SKIN DISINFECTION	SKIN STAINING PROPERTIES	DISINFECTION OF ORAL CAVITY	MUCUS MEMBRANE DISINFECTION	WOUND DISINFECTION	TOPICAL APPLICATION	ORAL APPLICATION	RESIDUAL ACTIVITY
DISINFECTION / ANTISEPSIS	CITROclorex 2%		✓					✓		✓
	CITROclorex 2% RED		✓	✓				✓		✓
	Hydrex 0.5% Clear/ Pink		✓					✓		✓
	Skinsept Pur/Color		✓	✓				✓		✓
	Videne Alcoholic Tincture		✓	✓				✓		✓
	Videne Antiseptic Solution		✓	✓		✓	✓	✓	✓	✓
SKIN DECOLONIZATION	Chlorhexidine Mouthwash				✓			✓	✓	✓
	Hydrex Surgical Scrub	✓						✓		✓
	Skinsan Scrub N / Foam	✓						✓		✓



## THE BASIS OF ALL BEST HYGIENE PRACTICE

In the battle against infection, hand hygiene is proven to be the single most important factor in controlling infection.

Our comprehensive hand hygiene range, combined with our extensive range of support materials, has been developed to ensure that all responsible Healthcare Professionals have the right tools for the job.

Throughout the hospital, from clinic to theatre, from washing to disinfecting, from scrubbing to moisturizing, Ecolab offers you the entire hand hygiene range.

## INTRODUCING THE NEW NEXA DISPENSER

At Ecolab we have developed a new hand hygiene system that combines our chemical compounds with a unique dispensing solution, enabling our customers to increase efficiency, improve outcomes and reduce the risk of HAIs.



# RUBS

For optimal compliance with hand hygiene, hand rubs should be readily available, either through dispensers close to the point of care or in bottles for on-person carriage. Our range of alcohol hand rubs includes a format to suit every requirement, especially helpful in outbreak situations.

## Spirigel™ Complete Alcohol Hand Gel

A fully virucidal gel with shorter contact times.

Low viscosity, fully virucidal alcohol hand disinfectant gel, containing skin friendly ingredients. Spirigel Complete's fluid gel formulation ensures there is no residue leading to stickiness.

- ▲ No dripping or leaking equals safer floors
- ▲ No clogging, avoids pump malfunction and ensures a consistent dose output throughout the entire bottle
- ▲ Greatly improves maintenance from ward to theatre
- ▲ Available for Nexa dispenser



## Skinman™ Soft Protect Liquid Hand Disinfectant

Fully virucidal hand disinfectant designed for frequent use.

Skinman Soft Protect contains Vitamin E, Glycerin and panthenol known to protect, nourish and regenerate skin cells.

- ▲ High level of efficacy
- ▲ Fully virucidal in 30s
- ▲ A skin-friendly formulation designed for frequent use
- ▲ No residue after use - no stickiness
- ▲ Fragrance free version available
- ▲ Available for Nexa dispenser



# SOAP / HAND CARE

Our range of soaps are designed for frequent use when hands are soiled (visibly dirty). Effective hand care is important when regular routine hand washing is being carried out, so our range includes moisturizing lotions to help.

## Manisoft™ Cleansing Wash

A general hand and body wash with a balanced, effective concentration of active ingredients in a gentle formula.

Designed for both healthcare professionals and patients, available in both liquid and foam format.

Manisoft also provides:

- ▲ For frequent hand and full body wash
- ▲ Economical to use



Range of dispensing options available

## Seraman™ Sensitive Cleansing Wash

A simple, dye free, fragrance free hand washing formulation.

Seraman Sensitive also has a foaming formulation available.

Seraman also provides:

- ▲ Excellent skin compatibility
- ▲ A pH of 5.5 which matches the skin
- ▲ Available for Nexa dispenser



Range of dispensing options available

Moisturizer

## Silonda™ Lipid Moisturizing Lotion

Rich moisturizing lotion to protect the skin against damaging agents and to help the skin regenerate.



## Silonda™ Sensitive Moisturizing Lotion

Non-greasy water based lotion to keep skin well hydrated and protected.



Range of dispensing options available

# EQUIPMENT

Our hand hygiene range comes with a choice of product dispensers to suit a wide variety of locations and environments around the hospital, helping to improve compliance.

## New Nexa Dispenser

Automated and Push Operated Formats Available

Easy to install dispenser helping to lower cross contamination.

State-of-the-art, wall mountable bracket for use at point of patient care with disposable pump.



## Dermados Dispenser

Elbow Operated Dispenser

Integrated wall mounted bottle dispenser.

Elbow operation ensures minimal risk of cross contamination, with no potential of manual soiling when used correctly.



## Bottle Holder

Wall Bracket

A wall mountable holder for use at all points of patient care.

A bed-end hook attachment is also available for this holder, giving greater flexibility to areas of potential use.



## Touchless Dispenser

Battery Operated Dispenser

Easy to install dispenser helping to lower cross contamination.

State-of-the-art, wall mountable bracket for use at point of patient care with disposable pump. Features a built-in drip tray.



# PRODUCT SUMMARY

AREA OF USE	PRODUCT	SUITABLE FOR			EN TESTS PASSED								
		DISINFECTION	CLEANING	MOISTURIZING	EN 1500 HYGIENIC HAND RUB*	EN 12791 SURGICAL DISINFECTION**	EN 13727 BACTERICIDAL EFFICACY	EN 13624 YEASTICIDAL EFFICACY	EN 14348 TUBERCULOCIDAL EFFICACY	EN 14476 VIRUCIDAL EFFICACY	EN 14476 NOROVIRUS	EN 14476 ROTAVIRUS	EFFECTIVE AGAINST ENVELOPED VIRUS-ES ACC. (ENVELOPED VIRUSES) DVV/RKI
HAND RUBS	Spirigel Complete	✓			30s	3min	15s	15s	15s	120s	15s	15s	30s
	Skinman Soft Protect	✓			20s	90s	15s	15s	20s	30s	15s	15s	15s
	Skinman Soft Protect FF	✓			20s	90s	15s	15s	20s	30s	15s	15s	15s
HAND WASHING/ MOISTURIZING	Manisoft		✓										
	Seraman Sensitive		✓										
	Silonda Sensitive			✓									
	Silonda Lipid			✓									

\*Tested according to the latest European Norms for hand disinfection (2013) \*\* Tested according to the latest European Norms for surgical disinfection (draft version 2014)

# SUSTAINABILITY

## Solving Global Challenges, Sustainably

We are working at more than one million customer locations, helping companies rethink operations and business strategies to reduce use of natural resources and ensure long-term viability.

This approach is core to our purpose and ingrained throughout our company. From how we operate and develop products to the way we work with customers and support our communities, we are working to deliver a "sustainable" future for everyone.

Ecolab is helping to solve global sustainability challenges. As the leader in water, energy and hygiene technologies and services, we help organisations throughout the world grow and succeed while minimizing environmental impact. While supporting our customers' operations, we also reduce water and energy use and waste everywhere we can.



**eROI<sup>SM</sup>**

Our proprietary eROI value approach measures the economic, operational and environmental impact of our solutions. With performance outcomes uncompromised, we credibly deliver and document this exponential value to our customers.

**In 2015,**  
we helped customers

**CONSERVE**

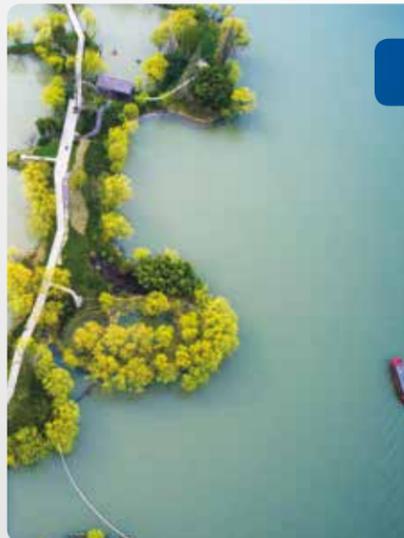
**142  
BILLION  
GALLONS  
OF WATER**

**ELIMINATE**

**12.0  
MILLION  
KILOS  
OF WASTE**

**SAVE**

**10.5  
TRILLION  
BTUs OF  
ENERGY**



## Conserving & Protecting Fresh Water

Fresh water is the world's most precious natural resource. We all rely upon water and yet demand is putting pressure on limited supplies.

The daunting world water outlook calls for immediate and strategic action. That's why Ecolab actively seeks to improve water stewardship within our own operations and within the watersheds in which we operate. Our commitment extends beyond our operations and our customers' operations to partnerships with thought leaders and leading organizations that support responsible use of the world's limited fresh water resources to the benefit of nature, communities and business.

## Sustainability is a foundational pillar of our operations strategy

While our greatest impact will always be through our work with customers, our ability to do more with less internally is also important to the long-term success of our company and the health of the environment.

At our 115+ manufacturing plants, our corporate centers and research facilities, and across our team of 47,000 associates, we embed sustainable practices to reduce our environmental impact. This has resulted in a reduced total water withdrawal of -6.9% and reduced GHG emissions of -3.6%.

Percent change from 2012 baseline; measured by intensity per million dollars in sales.



ECOLAB'S 2020 GOALS  
AGAINST 2015 BASELINE

REDUCE WATER  
WITHDRAWAL BY **25%**

REDUCE GREENHOUSE  
GAS EMISSIONS BY **10%**

CUSTOMER IMPACT GOAL

By 2030, Ecolab aims to conserve

**13.6 BILLION** LITERS  
OF WATER

annually by reducing water  
consumption within our own  
and our customers' operations.

Equaling the annual drinking  
water needs of more than  
**1 BILLION**  
PEOPLE

Measured by intensity per million dollars in sales.

As we look to 2020 and our ability to help customers do even more with less, we also will hold ourselves to higher environmental standards. New sustainability goals introduced in 2015 align with our long-term business strategy.

## CASE STUDY

**ENCOMPASS<sup>TM</sup>**  
Hygiene Intelligence

A 2013 benchmark report collected 324,163 high touch object (HTO) data points. Hospitals who participated in the benchmark report received customized reporting comparing their performance to organizations of similar size.

In addition to the 2013 benchmark report, a pilot study was conducted at two sites to evaluate the impact of the full EnCompass Environmental Hygiene Program on metrics related to environmental hygiene practices, efficiency, sustainability and staff competency.

Environmental hygiene effectiveness was improved significantly. In addition to improved cleanliness, water and chemical usage on floors and surfaces decreased at both sites.

The use of a comprehensive, programmatic approach such as EnCompass delivers sustainable results. Incorporating the program's products, tools, processes, training and monitoring system can improve environmental hygiene practices, efficiency, sustainability, and staff satisfaction. Ecolab continues to drive improved cleanliness with hospitals to help minimize overall HAI costs.

**ENVIRONMENTAL /  
ECONOMIC RESULTS**

**eROI<sup>SM</sup>**



**SAFETY**

Up to **29%**  
improvement in  
cleaning across  
the US, helping  
to minimize the  
risk of HAIs and  
associated costs.



**WASTE**

Reduced water  
usage by up to  
**94%**, minimizing  
water costs and  
waste.



**WATER**

Reduced chemical  
usage up to **95%**,  
helping to optimize  
chemical inventory  
logistics and  
minimize waste.

# ECOLAB EVERYWHERE IT MATTERS

As the global leader in water, energy and hygiene technologies and services, Ecolab is a true partner to achieve clean and safe environments. While supporting our customers' operations, we also reduce water and energy use and waste everywhere we can. Speak to your Ecolab representative on how to support you in food preparation, dishwashing, laundry or water care.

## Food Service

Food service is a fast-paced industry. Your reputation is everything. Ecolab provides confidence that all aspects of your operations are protected. As a trusted partner, we are always there – helping you ensure a clean and safe operation, satisfied customers and better results – all provided in the most sustainable way.



## Life Sciences

From pharmaceutical plants to hospitals, grade A cleanrooms to unclassified areas, Ecolab provides an unrivaled range of products to meet all contamination control requirements.

Our fully validated SteriShield Delivery System (SDS) is fitted to every Klercide trigger spray product, ensuring the contents are protected during use.

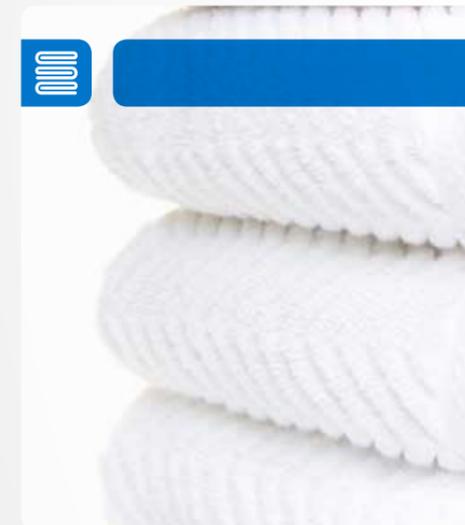
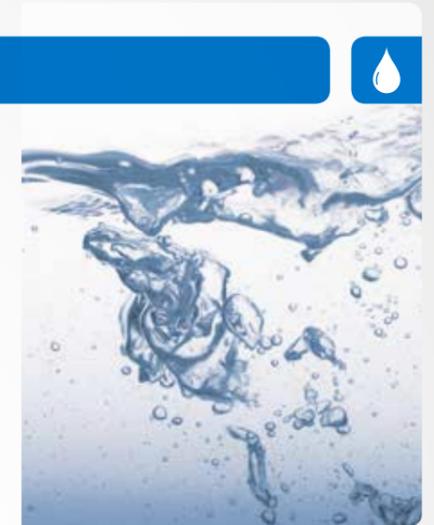


## Dishwashing

Partner with Ecolab and you'll have access to the industry's leading warewashing equipment and processes to help speed productivity, increase employee safety, conserve utilities, reduce breakage and improve dishwashing results.

## Water Treatment & Quality Management

Our proprietary water treatment technologies help our customers manage water through conservation, recycling and reuse. From customer experience to maintenance costs, water impacts all aspects of your business and there are several factors that can threaten your water quality throughout your operations. Ecolab and NALCO Water offer solutions that can protect that water quality and, ultimately, your business.



## Laundry Textile Care

Ecolab's Textile Care Division provides products, systems and services that meet the complex needs of large scale laundry operations. Offering Wash programs, on site service, laundry management systems & dosing technologies, Ecolab delivers a total approach to laundry problems with a wide and varied offering that is unmatched in the industry.

## Pest Solutions

Our program emphasizes a proactive approach to pest elimination through detailed inspections, correcting structural and sanitation issues and using non-chemical solutions whenever possible to maximize efficacy, and patient and resident safety.

We provide comprehensive pest and treatment options customized to meet the needs of hospitals and clinics as well as long term care properties. We understand the importance of keeping a pest free environment for patient and resident safety - and to protect your brand reputation.



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**FOR MORE INFORMATION ON HOW WE CAN HELP, CONTACT YOUR LOCAL ECOLAB REPRESENTATIVE  
OR VISIT [WWW.ECOLAB.COM](http://WWW.ECOLAB.COM)**

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