A PASSION FOR HEALTHCARE

Total Hygiene Solutions

ECOLAB®
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

CONTENTS

We’re Focused on Solving the Big Problems 4
Exceptional Solutions 6
About Ecolab Healthcare
Our Expertise 8
How We Partner with You to Improve 9
Patient Room Program 10
Central Sterile Services Program 12
Operating Room Program 14
Hand Hygiene Program 16
Environmental Hygiene 18
Instrument Reprocessing 24
Surgical 32
Antisepsis 38
Hand Hygiene 42
Sustainability 48
Everywhere It Matters 50
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:

**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. Up to 60% of high touch objects are often not cleaned at all.

About 44% of units had functions and practices classified as unacceptable and only 16% compliant with regulations and guidelines.

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.

**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.

**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. Up to 60% of high touch objects are often not cleaned at all.

52% of surfaces in patient rooms are contaminated even after cleaning.

**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.

As many as 20% of surgical procedures result in preventable infections, frequently caused by contaminated instruments.

**Central Sterile Services Departments**

About 44% of units had functions and practices classified as unacceptable and only 16% compliant with regulations and guidelines.

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.
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.

**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

**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 fulfillment of our promise as your partner. Our service includes:

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

**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

**EXCEPTIONAL SOLUTIONS**

- Reduce HAIs
- Improve Operational Efficiency

3 Reduce HAIs

3 Improve Operational Efficiency
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

OUR EXPERTISE

HOW WE PARTNER WITH YOU TO IMPROVE

1. ASSESS NEEDS
   Facility Surveys identify critical business drivers and improvement opportunities

2. DEVELOP SOLUTION STRATEGY
   Roll-out planning standardizes implementation across facilities

3. IMPLEMENT PLAN
   Complete installation, service and training managed by Ecolab takes the burden off you

4. TRACK PROGRESS
   Measurement data helps evaluate system-wide impact and savings

5. CONTINUE TO IMPROVE
   Ongoing consultations and scheduled service visits to realize enhanced effectiveness, drive savings and help improve results

ABOUT ECOLAB HEALTHCARE

90+ YEARS OF BEST HYGIENE PRACTICE

TODAY
We provide the most comprehensive solutions for healthcare hygiene

THE FUTURE
We continue to develop full service programs for the benefit of our customers and the safety of their patients

923 Economics Laboratory founded by MJ Osborn
1970 Presence now in 50 countries due to global expansion
2003 Formation of unified EMEA Healthcare Business
2003 Market expansion through acquisition of Adams Healthcare - a UK based specialist in IP, CC & Thackray Surgical Instruments
2006 Industry and expertise expansion through acquisition of Shield Medicare - market leader in Contamination Control
2007 Extension of expertise in surgical IP with acquisition of Microtek Medical and their global operation
2011 Further geographical expansion and additional SMP manufacturing capability through acquisition of Euforn - IP market leader in Italy
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
2016 Expertise expansion in Surgical fluid warming and cooling systems through purchase of the assets of O.R. Solutions Inc.
THE ECOLAB® PATIENT ROOM PROGRAM
THE SYSTEMATIC APPROACH TO PATIENT ROOM SAFETY

When designing the Patient Room Program, patient safety was the cornerstone, as patient safety is a serious global public health issue. In partnership with our customers we focus on improving outcomes and identify critical business drivers and improvement opportunities in patient rooms, patient bathrooms and common areas. Ongoing consultations and service visits further enhance effectiveness savings and improve results.

**Technology**

Tailored solutions help make patient stays safer and also improve workers' safety when applying products during daily procedures.

When developing our regime for the Patient Room Program, our main focus has been on combining:

- State-of-the-art product portfolio
- Innovations
- Premium dispensing equipment

**Service**

Continued service visits enhance effectiveness, with this we ensure to provide the right intervention support, whether it is on-site or via training media.

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 for a Patient Room environment, the main focus is:

- Product training
- Best practice cleaning processes
- Hand hygiene compliance

**Information**

Data is an essential element of our holistic approach, as measurement helps evaluate system wide impact and changes.

Following elements of our programmatic approach ensures a baseline set of data is created and helps implement the right intervention measures:

- Customer portal and reporting
- EnCompass™ monitoring
- Consultation from site assessment

---

**BEST PRACTICE IN NUMBERS**

Before and after study analyzed time savings, C. diff rates & cleaning thoroughness *

- 9 min. Room Turnover
- Saved over 5815 LITERS OF WATER during 6 month study

- 22% IMPROVEMENT in high touch object cleaning
- REDUCE C. diff SIR* FROM 1.63 to 0.67

*standardized infection ratio

---
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

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
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.

- 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.

- 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.

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

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.

**BEST PRACTICE IN NUMBERS**

Saved over $15,000 in OR mattress replacement costs.

Improvement from 28% to 86% in five minutes improvement in OR turnover time.

97% of HTO’s cleaned for in-between cases.

28% of HTO’s cleaned for terminal cleaning.
Ecolab® Hand Hygiene Program

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

---

**Best Practice in Numbers**

The EnCompass Hand Hygiene Program has given healthcare users some impressive results:

- Average compliance increase from 30% to 36%
- Reduction in Healthcare Workers (HCWs) reporting dry skin or irritation after only 30 days from 9% to 59%
- Optimal skin moisture content after only 30 days from 16% to 89%
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.

ENVIRONMENTAL HYGIENE

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

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

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

**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 H₂O₂™

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 H₂O₂™

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

Also based on Hi-speed H₂O₂™, 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

**Incidin™ Liquid**
Alcohol Based Ready-to-Use (RTU) Wipes

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

**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

**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

**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

**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

**Incidin™ Liquid**
Alcohol Based Ready-to-Use (RTU) Wipes

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

**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

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 stationery 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**

<table>
<thead>
<tr>
<th>AREA OF USE</th>
<th>PRODUCT</th>
<th>SUITABLE FOR</th>
<th>EFFICACY TESTS PASSED</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLEANING</td>
<td>Incidin Pro</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Incidin Rapid</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Incidin Active</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Actichlor Plus</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Incidin Foam</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Incidin OxyFoam S</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Incidin OxyFoam</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Incidin Liquid</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Incidin Dry Foam</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Incidin Dry Wipes</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Actichlor Plus</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td></td>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>

CONCENTRATES

<table>
<thead>
<tr>
<th>CONCENTRATES</th>
<th>SUITABLE FOR</th>
<th>EFFICACY TESTS PASSED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incidin Pro</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incidin Rapid</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incidin Active</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Actichlor Plus</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incidin OxyFoam S</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incidin OxyFoam</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incidin Liquid</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incidin Dry Foam</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incidin Dry Wipes</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>

READY-TO-USE LIQUIDS

<table>
<thead>
<tr>
<th>READY-TO-USE LIQUIDS</th>
<th>SUITABLE FOR</th>
<th>EFFICACY TESTS PASSED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incidin OxyFoam</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incidin Liquid</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incidin Dry Foam</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>

WIPES

<table>
<thead>
<tr>
<th>WIPES</th>
<th>SUITABLE FOR</th>
<th>EFFICACY TESTS PASSED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Incides N</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>

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

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.

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

- 4kg of concentrated solid equals BOL 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
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.

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

**Sekusept™ Extra N**

Liquid Disinfectant

A Glutaraldehyde-based liquid concentrate that provides a broad efficacy spectrum including TB. Suitable for a variety of medical devices including flexible endoscopes (approved by Olympus).

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.

Sekusept PLUS also provides the benefit of:
- Cleaning strength for heavily soiled instruments
- Excellent material compatibility for your instruments

**Sekusept™ Easy**

Disinfectant

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

Sekusept Easy is:
- Simple to prepare
- Fast acting
- Material compatible (Olympus approved)

**Terminal Disinfection**

**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.

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

**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).
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 aluminum. 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

**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

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.
**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**
A mild alkaline-based cleaning agent with excellent material compatibility. Formulated for the automated cleaning of all kinds of surgical instruments, including anodized aluminium. Proven efficacy against prions.

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

**MetalClean Plus**
A mild alkaline-based cleaning agent for use in very soft water conditions. Excellent material compatibility for all kinds of surgical instruments including anodized aluminium.

- Excellent material compatibility
- Minimizes waste
- Environmentally responsible

**AlkalineClean**
Innovative alkaline-based highly concentrated solid cleaning agent. Ensures excellent cleaning performance with reliable cleaning outcomes.

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

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

- Excellent cleaning performance
- Reliable cleaning outcomes
- Minimal waste

**PRODUCT SUMMARY**

<table>
<thead>
<tr>
<th>AREA OF USE</th>
<th>PRODUCT</th>
<th>SUITABLE FOR</th>
<th>EN TESTS PASSED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SOLID CHEMISTRY</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manual Use</td>
<td>MetalClean</td>
<td>≈ 80L liquid concentrate.</td>
<td></td>
</tr>
<tr>
<td>Automated</td>
<td>MetalClean Plus</td>
<td>≈ 80L liquid concentrate.</td>
<td></td>
</tr>
<tr>
<td>Instrument</td>
<td>NeutraPlus</td>
<td>≈ 40L liquid concentrate.</td>
<td></td>
</tr>
<tr>
<td>Reprocessing</td>
<td>AlkalineClean</td>
<td>≈ 40L liquid concentrate.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A MetalClean Capsule</td>
<td>= 80L liquid concentrate.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A MetalClean Plus Capsule</td>
<td>= 80L liquid concentrate.</td>
<td></td>
</tr>
<tr>
<td>AUTOMATED</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Instrument</td>
<td>Sekumatic ProClean</td>
<td>≈ 40L liquid concentrate.</td>
<td></td>
</tr>
<tr>
<td>Reprocessing</td>
<td>Sekumatic FR</td>
<td>≈ 40L liquid concentrate.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sekumatic FFR</td>
<td>≈ 40L liquid concentrate.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sekumatic FRN</td>
<td>≈ 40L liquid concentrate.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A AlkalineClean Capsule</td>
<td>≈ 40L liquid concentrate.</td>
<td></td>
</tr>
<tr>
<td>MANUAL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Instrument</td>
<td>Sekusept MultiEnzyme</td>
<td>≈ 40L liquid concentrate.</td>
<td></td>
</tr>
<tr>
<td>Reprocessing</td>
<td>Sekusept Pure Clean</td>
<td>≈ 40L liquid concentrate.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sekusept Plus</td>
<td>≈ 40L liquid concentrate.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sekusept Extra N</td>
<td>≈ 40L liquid concentrate.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sekusept Easy</td>
<td>≈ 40L liquid concentrate.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sekusept Aktiv</td>
<td>≈ 40L liquid concentrate.</td>
<td></td>
</tr>
</tbody>
</table>

**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 stationery use.

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

**DG 3**

- Dosing Unit

**Equipment**
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.

INNOVATION

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

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

Availability of products may vary by country.
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

- 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

- 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

- Single Use
- Ease of use
- Cost effective

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

- 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 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

- 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.

- 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

- 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

- 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.

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

The proprietary Auto-Stir™ technology automatically stirs the solution while cooling producing a high quality velvet soft surgical slush.
# Quality Products for the Prevention of Infection

Effective decolonization and antisepsis 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, antisepsis 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 antisepsis needs.

## ANTISEPSIS

Human skin and mucous membranes are not sterile organs, hosting various micro-organisms. Our product offering ensures effective antisepsis 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 dying agent ensures a persistent red colour on the skin area to be treated.

#### Benefits:
- 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

### Hydrexx™ 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.

#### Benefits:
- Reassured efficacy in short contact times against a wide range of pathogens
- Easy application also in hard to reach body folds contributing high antisepsis 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.

#### Benefits:
- Broad spectrum efficacy
- Various pack formats available ensuring easy application
- Quick drying

---

Availability of products may vary by country.

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

While state of the art skin and mucous membrane antisepsis is vital to prevent pathogens from entering the human body, wound antisepsis 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/v) 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 antiseptic 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 antisepsis
- 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.

- 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

<table>
<thead>
<tr>
<th>AREA OF USE</th>
<th>PRODUCT</th>
<th>SUITABLE FOR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Antisepsis &amp; Decolonization</td>
<td>Skin Disinfection</td>
</tr>
<tr>
<td>DISINFECTION/ANTISEPSIS</td>
<td>CitroClorex 2%</td>
<td>☑</td>
</tr>
<tr>
<td></td>
<td>CitroClorex 2% RED</td>
<td>☑</td>
</tr>
<tr>
<td></td>
<td>Hydrex 0.5% Clear/Pink</td>
<td>☑</td>
</tr>
<tr>
<td></td>
<td>Skinsan Scrub N/Color</td>
<td>☑</td>
</tr>
<tr>
<td></td>
<td>Videne Alcoholic Tincture</td>
<td>☑</td>
</tr>
<tr>
<td></td>
<td>Videne Antiseptic Solution</td>
<td>☑</td>
</tr>
<tr>
<td></td>
<td>Chlorhexidine Mouthwash</td>
<td>☑</td>
</tr>
<tr>
<td></td>
<td>Hydrex Surgical Scrub</td>
<td>☑</td>
</tr>
<tr>
<td></td>
<td>Skinsan Scrub N / Foam</td>
<td>☑</td>
</tr>
</tbody>
</table>
**HAND HYGIENE**

**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.

**INNOVATION**

**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.

- **INNOVATION**
  - **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.**

- **TOUCH FREE DISPENSER**
  - **Also Available**
  - **Consistent dose output from first to last stroke**
  - **Long battery life up to 33,000 doses**
  - **Low-battery LED indicator to prevent downtime**
  - **Changing batteries is quick & simple**
  - **Patented anti-drip pump**
  - **Pulls back excess product to prevent drips and clogs and minimize slip hazard risks**
  - **Handrub technique promotes best practice for both hand rub and wash**
  - **Antimicrobial push bar contains silver phosphate to inhibit the growth of bacteria**
  - **Hidden lock provides peace of mind, especially for dispensers located in public areas**
  - **Universal fixing points match most existing dispensers to reduce the need for drilling**
  - **Show expiry date and product usage level to aid timely and easy replenishment**
  - **Clear view windows**
  - **Collapsible cartridge is squeezable & recyclable**
  - **Low product residue minimises wastage costs and supports environmental initiatives**
  - **Multi-use dispenser also available**
  - **Multi-use unit able to dispense all types of product: gel, liquid and foam**

Availability of products may vary by country.
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

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.

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

**Seraman™ Sensitive**

Cleansing Wash

A simple, dye free, fragrance free hand washing formulation. Seraman Sensitive also has a foaming formulation available.

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

**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.
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.

---

**PRODUCT SUMMARY**

<table>
<thead>
<tr>
<th>AREA OF USE</th>
<th>PRODUCT</th>
<th>SUITABLE FOR</th>
<th>EN TESTS PASSED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>DISINFECTION</td>
<td>EN 1500</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CLEANING</td>
<td>EN 1500 HYGIENIC HAND RUB*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MOISTURIZING</td>
<td>EN 1500 HYGIENIC HAND RUB*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>EN 12791 SURGICAL DISINFECTION* **</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>EN 13727</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>BACTERICIDAL EFFICACY</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>EN 13624</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>YEASTICIDAL EFFICACY</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>EN 14348</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TUBERCULICIDAL EFFICACY</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>EN 14476</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>VIRUCIDAL EFFICACY</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>N. OROVIRUS XVIII</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>ROTAVIRUS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENVELOPED VIRUSES EFFECTIVE AGAINST</td>
<td>DVV/RKI</td>
</tr>
<tr>
<td>HAND RUBS</td>
<td>Spirigel Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skinman Soft Protect FF</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Manisoft</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Saranam Sensitive</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Silonda Lipid</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**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.
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.

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

- 142 BILLION GALLONS OF WATER CONSERVE
- 12.0 MILLION KILOS OF WASTE ELIMINATE
- 10.5 TRILLION BTUs OF ENERGY SAVE

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%.

Forced change from 2012 baseline, measured by intensity per million dollars in sales.

By 2030, Ecolab aims to conserve

- 13.6 BILLION LITERS OF WATER annually by reducing water consumption within our own and our customers’ operations.

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.

ECOLAB’S 2020 GOALS AGAINST 2015 BASELINE

- REDUCE WATER WITHDRAWAL BY 25%
- REDUCE GREENHOUSE GAS EMISSIONS BY 10%

CASE STUDY

ENCOMPASS™ 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 HAIs costs.

ENVIRONMENTAL / ECONOMIC RESULTS

- Up to 29% improvement in cleaning across the US, helping to minimize the risk of HAIs and associated costs.
- Reduced water usage by up to 94%, minimizing water costs and waste.
- Reduced chemical usage up to 95%, helping to optimize chemical inventory logistics and minimize waste.

Ecolab® 2020 GOALS AGAINST 2015 BASELINE

- REDUCE WATER WITHDRAWAL BY 25%
- REDUCE GREENHOUSE GAS EMISSIONS BY 10%

CONSERVE
ELIMINATE
SAVE
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.
REFERENCES

15. Study conducted at Beaufort Memorial Hospital 2015
16. Comparison of size of SolidSafe MetalClean 4kg canister to corresponding amount (80L) of conventional liquid concentrate canisters
17. US Hospital survey 2015 - from actual EnCompass data
18. Data on file

FOR MORE INFORMATION ON HOW WE CAN HELP, CONTACT YOUR LOCAL ECOLAB REPRESENTATIVE OR VISIT WWW.ECOLAB.COM

EUROPEAN HEADQUARTERS:
ECOLAB EUROPE GMBH
Richtistrasse 7
8304 Wallisellen
Switzerland
+41 (0) 44 877 2001
www.ecolab.com
© 2017 All rights reserved. 9124/08.17