



## Hand Hygiene Management - Maintaining a Healthy Operation

**ECOLAB**<sup>®</sup>  
Everywhere It Matters.™

# Buying soap alone does not constitute good hand hygiene practice

Being in contact with raw food, cleaning surfaces and equipment or handling waste can lead to hands becoming contaminated. Microbes (i.e. bacteria, fungi, viruses) are not visible and can spread unnoticedly from one person to another.

## Key hand hygiene challenges:

- ▲ Importance of hand hygiene is unknown by staff
- ▲ Lack of knowledge of effective procedures
- ▲ Incorrect product selection
- ▲ Insufficient product contact time and concentration
- ▲ Incorrect procedure frequency
- ▲ Poor hand hygiene infrastructure

## Every year...

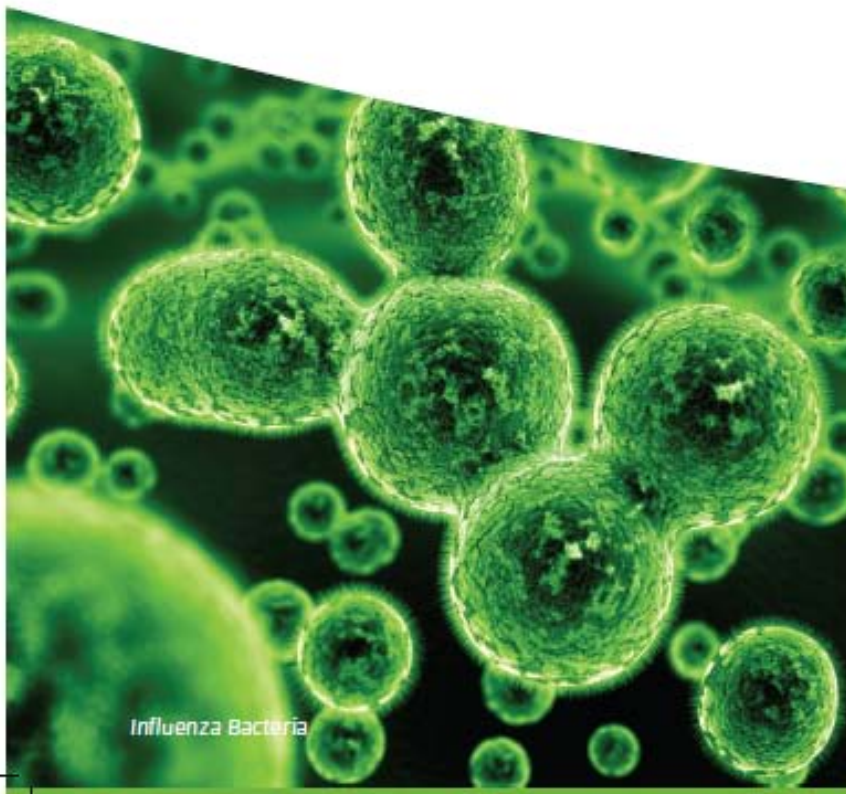
...an estimated 76 million people suffer from foodborne illnesses in the United States, 2 million people suffer in the United Kingdom and 750,000 people in France.\*

...globally 250,000 to 500,000 people die of influenza every year.\*\*

\* Source: [http://en.wikipedia.org/wiki/Foodborne\\_illness](http://en.wikipedia.org/wiki/Foodborne_illness)

\*\* Source: World Health Organization

*E. coli, salmonella and other bacteria can survive more than two hours on a surface*



Influenza Bacteria

AFTER HANDLING RAW FOOD, MANY  
FOODBORNE PATHOGENS CAN  
BE FOUND ON HANDS INCLUDING  
STAPHYLOCOCCUS AND E.COLI.

# Hands are the number one vehicle for transmitting pathogenic microbes

The right selection of products combined with correct procedures reduces the risk of spreading illness.

Infections spread quickly and cross borders. With the increase in globalisation and international transport, diseases can easily spread across the globe.

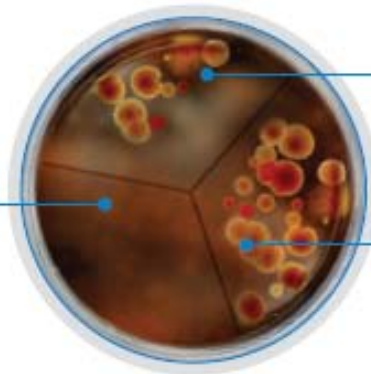
- ▲ According to the World Health Organization (WHO), every year between 3 and 5 million people suffer from influenza; of these up to 500,000 people die.
- ▲ As of January 2010, WHO registered 15,174 deaths caused by H1N1 in 209 countries. The unofficial death number is said to be much higher.

*The most common affects from the spread of microbes include flu, diarrhea and vomiting and can lead to serious infections which in severe cases lead to damage of organs such as heart and kidneys.*

## Microbes are invisible

They can be made visible by culturing them in the laboratory. The visual below shows 3 fingerprints on a plate made out of yeast-dextrose agar, followed by 24 hours at 37°C of incubation.

Fingerprint of a washed hand with warm water, soap and dried afterwards, followed by a hygienic hand disinfection



Fingerprint of a washed hand with warm water, soap and dried afterwards

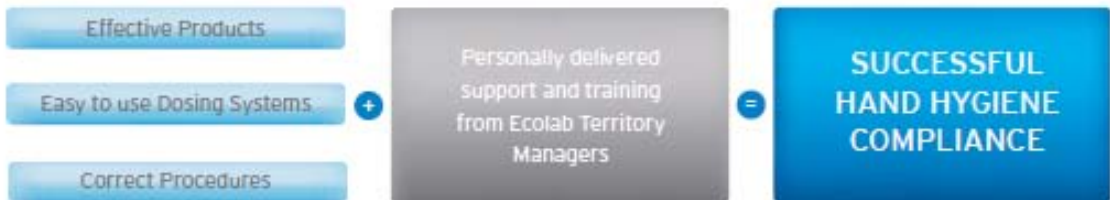
Fingerprint of an unwashed hand



# Ecolab helps you build and maintain a highly effective hand hygiene programme

Hygiene matters everywhere. From food service areas, hotels, long-term care homes to building cleaning, everywhere you and your staff can come in contact with potentially contaminated surfaces and materials.

Ecolab offers a complete hand hygiene package including clinically proven, EN tested sanitisers and disinfectants as well as soaps, moisturisers and skin protectors.



*'A kitchen using the right products in a professional and proven manner will decrease cross-contamination of foodstuffs'*

*Results of studies by Bartelt, 2006, and Van Aseit, 2008*



**EVERY YEAR  
IN EUROPE 1.2  
BILLION HANDS  
GET WASHED USING  
ECOLAB PRODUCTS**

# The right Hand Hygiene Programme matters

A comprehensive product package to cover all your hand hygiene needs:

## Hand WASH Cosmetic Soap

- ▲ Mainly used in lower risk areas and visitor washrooms
- ▲ Skin-friendly state-of-the-art synthetic detergent
- ▲ Available with and without perfume and dye

## Hand WASH Antimicrobial Soap

- ▲ Perfect for foodservice and back of house
- ▲ Effective according to EN 1499, killing and removing bacteria during the wash process
- ▲ Available without perfume and dye

## Hand DISINFECTANT

- ▲ Effective according to EN 1500 with a very fast microbial kill
- ▲ Waterless application that can be used anywhere

## Hand PROTECTION

- ▲ Protection against damage caused by constantly wet skin
- ▲ Applied before cleaning activities

## Hand CARE

- ▲ Moisturises skin that has lost its own natural moisture
- ▲ Used after working day or before breaks
- ▲ Keeps skin feeling healthy

## Dermatologically approved products

- ▲ Excellent skin compatibility
- ▲ Full product range including care and protection products
- ▲ Compliant to cosmetic directive and EN efficacy standards



# Regular hand washing is the easiest way to minimise the spread of microbes

In several studies scientists demonstrated regular hand washing correlates with significantly less illness.

Outside of hospitals, in general, hands get washed when they are visibly dirty, after using the toilet or blowing the nose.

## Washing with water alone does not remove all microbes



'Warm water alone will not kill bacteria, only temperatures in excess of 70°C can.'

### Hands washed incorrectly

Food poisoning bacteria and influenza virus can easily be picked up by hands from contaminated surfaces.

### Properly washed hands

Products tested according to EN 1499 remove and kill bacteria when using correct hand washing procedures.

"STUDENTS WHO FOLLOW PROPER HAND HYGIENE PRACTICES SUFFER MUCH LESS FROM COLD AND ONLY HALF OF THEM SUFFER FROM GASTRO INFECTION DISEASES."

Doctorate Of Claudia Hübner, "Influence Of Hand Hygiene On Infection And Their Economic Impact In Administration Areas"  
University Greifswald, Germany, 2009

# Hand disinfection for hygienic safety. It is in your hands.

In very sensitive areas such as food service preparation areas, hospitals or long-term care facilities, careful hand disinfection procedures can be required to comply with legislations.

Incorrect disinfection techniques, insufficient product and contact time are the most frequent sources of error during hand disinfection procedures. The visual shows which areas are most frequently inappropriately treated during hand washing and hand disinfection.

## Even a piece of paper can be an infection transmission risk

A study performed outside of public health services confirmed that paper is an important risk factor for the transmission of pathogenic agents beside customer contact.

134 employees of a German public management took part in a one-year study to analyse the influence of hand disinfection.

"Besides a significant reduction of absenteeism, a reduction of single symptoms like cold, fevers or cough was recorded. Economic effects arose (...) from the influence on the performance decrease which results in on-the-job productiveness loss."

Source: DAK Health Report 2004, Germany



- Most Frequently Missed
- Frequently Missed
- Less Frequently Missed



MICRO-ORGANISMS  
ARE INVISIBLE  
AND CAN SPREAD  
UNNOTICED FROM  
PERSON TO PERSON  
OR SURFACE TO  
SURFACE

# Maintaining compliance is a universal challenge

The main reasons for bad hand hygiene compliance are:

**Irritation from dry skin**    **Limited Access** to a wash basin  
**Lack of soap and towels**    **Belief that**  
**Lack of time**    **infection risk is small**    **Lack of knowledge**  
**refusal of the recommendation**    **No role models**  
and bad examples  
by colleagues

Extract from D. Pittet's adaptation 'Improving compliance with hand hygiene in hospitals. *Infect Control Hosp Epidemiol* 2004;21:351-6'

There are common excuses why people do not wash their hands:

“ My personal risk for carrying a germ home is lower than that of my colleagues ”

“ I couldn't wash my hands properly because there was no soap ”

“ I always wash my hands, but only with water ”

“ I did not wash my hands because there was no paper towel left ”

PRODUCTS



DISPENSING



TRAINING



WALLCHARTS





# Reduce potential risk by letting Ecolab help drive compliance

As the global leading partner in hygiene solutions, Ecolab understands your challenges. Our well experienced Territory Manager can help improve compliance by offering customised hand hygiene solutions:



## Product selection & policy design

Select the most appropriate hand hygiene products and help define the procedures needed in your operation.



## Establish the right environment

Help identify changes needed for effective hand hygiene including advice on sink and dispenser locations.



## Training

Teach your employees successful hand hygiene procedures using memorable techniques



## Setting sustainable hygiene standards - regular procedural training

During regular service-calls, provide additional training and refreshment of procedures.



## BECAUSE SERVICE MATTERS



**INCREASED  
AWARENESS & RISK  
SENSITIVENESS**



**BEHAVIOURAL  
CHANGE**



**DRIVE  
COMPLIANCE**

# Regular training establishes and maintains high standards from the outset

Prerequisites for outstanding hand hygiene management include ensuring product availability and knowledge of correct procedures. Ecolab advises on ideal suitable locations and helps train your staff in correct hand hygiene procedures.

## Lower your risk with strategically positioned dispensers:

- ▲ Food receipt areas
- ▲ Food preparation areas
- ▲ Server stations
- ▲ Buffet and salad bars
- ▲ Entrances
- ▲ Restrooms
- ▲ Lobbies / foyers
- ▲ Elevators
- ▲ Cafeteria
- ▲ Other high-traffic areas



## A comprehensive Hand Hygiene Package to help drive compliance:

- ▲ During service-calls staff receive training on correct procedures according to EN 1499 and EN 1500
- ▲ Strategically positioned stickers help staff remember to wash hands
- ▲ Simple and effective wallcharts remind staff of correct procedures



## Change of mindset

Creating awareness and increasing sensitivity towards the importance of hygiene are key to help drive compliance.

# The right product matters

Ecolab's Epicare range combines every hand hygiene need to make your skin feel clean, safe and healthy.

- ▶ **Perfume and dye free**, perfect for back of house
- ▶ **Fragranced soaps** to make guest feel **clean and fresh**
- ▶ **Synthetic detergents** that work in perfect balance with the skin's natural pH level to help **prevent irritation and damage**
- ▶ Compliant with **HACCP Food Safety Legislation**, Epicare antimicrobial soaps are **EN 1499** tested and help **reduce the risk** of transferring bacteria such as E. coli and Salmonella\*
- ▶ Epicare Des offers **rapid disinfection in less than 30 seconds** according to **EN 1500** killing viruses such as Adeno and Rotaviruses\*
- ▶ Helping **protect against damage**, Epicare 7 caring moisturiser is balanced perfectly **for all skin types** and is absorbed quickly to regulate moisture level

\*when used correctly following recommended procedures



Hand hygiene procedures protect your staff, your customers and your operation.  
For further information, please contact your local Ecolab representative.

Use disinfectants safely. Always read the label and product information before use.

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