



**CONTROLLING INFECTIOUS RISK:
OUR KNOW-HOW SINCE 1957**

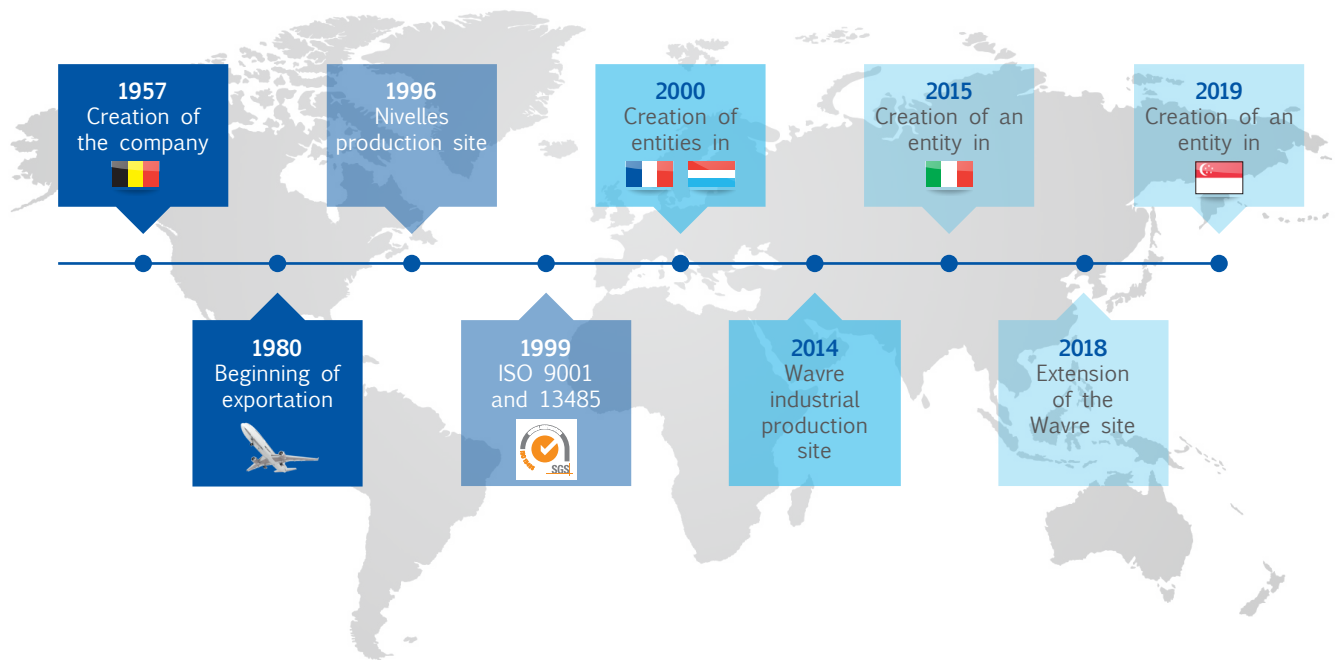


LINE CATALOGUE: AGROSCIENCES

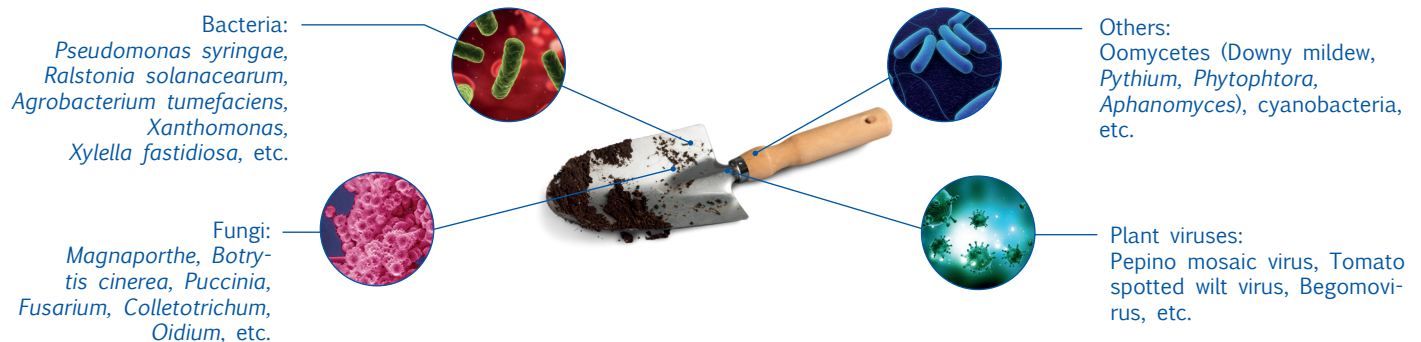
WHO ARE WE?

Laboratoire Huckert's International, a family company, develops and markets unique, **100% safe**, high-performance disinfectants and cosmetics, for use in all your cleaning and disinfection processes.

Our laboratory's success centres around the quality and technicality of our products, our dynamic teams and a subtle balance between **fine chemistry and the power of plants**.



WHY DISINFECT?



WHY DISINFECT?

In the right temperature and in the presence of nutrients, micro-organisms replicate every 20 minutes. As such, a tiny quantity of pathogenic germs from a contaminated source can cause fungal, viral or bacterial contamination, interfering with a research protocol or even jeopardising an entire production.

DID YOU KNOW?

A dangerous product does not mean an efficient product: A number of **European standards** exist to help you assess product efficiency. Test conditions must be as close as possible to real conditions of use, and go beyond mere suspension efficacy tests (in liquid phase).

"Disinfection is only effective after a surface has been cleaned": **alcohol, bleach, peracetic acid, hydrogen peroxide, caustic soda** and many other disinfectants have **no cleaning properties**. Their disinfection properties are affected by the presence of proteinaceous contamination or other interfering agents and by their temperature of use.

OUR MISSION

Experts in high-performance **bio-decontamination and disinfection**. Our mission is to provide faultless disinfection for all pathogenic flora, including in conditions of interferences (**bacteria, yeasts, fungi, mycobacteria, spores, naked and enveloped viruses**), with **no adverse effects**.

"Don't replace a biological risk with a chemical hazard"



OPERATOR
FRIENDLY



EQUIPMENT
FRIENDLY



FACILITY
FRIENDLY



ENVIRONMENTALLY
FRIENDLY

Our products are **free from CMR substances and endocrine disruptors** and present **no risk of corrosion, burning or toxic vapour**.

pH
neutral

✓ **FORMULA FREE FROM**
→ CMR COMPONENTS
→ ENDOCRINE DISRUPTORS

We have always been committed to **manufacturing and controlling our Biocides with the same high standards as for our Medical Devices**. All our biocides meet the requirements of **European regulation No 528/2012 on biocides**.

OUR ENVIRONMENTAL COMMITMENT

Sustainable development is an integral part of our laboratory's quality-management system.

First and foremost, we want our employees to adhere to our **Family Business Values**. **Quality, health and ethics are at the heart of all our efforts**.

From ensuring our products are non-toxic for the OPE (Operator, Personnel, Equipment) to reducing our environmental impact as required by our business activity.

In order to control environmental risks, we are engaged in a process of **continuous improvement**, as nothing should ever be taken for granted. We **analyse, assess, calculate and improve our impact on the environment**.



- ✓ **No environmentally toxic or hazardous waste** during the manufacturing process of our products.
- ✓ **Environmentally friendly**.
- ✓ Formulations enriched with **essential oils** and concentrated extracts from **medicinal plants**.
- ✓ "Cold disinfection" for **quick and easy action**.
- ✓ Ready-to-use sprays **with no propellant gas**.
- ✓ A **wide range** of concentrated products.
- ✓ Fully recyclable, **carbon-negative** packaging **made from green PE***.
- ✓ A contribution towards **recycled-waste processing**.
- ✓ "ECONOMATIC" **economical automatic** mixing and dosage systems.
- ✓ Consistent and traceable quality.

100%
RECYCLABLE
PLANT-BASED
PACKAGING*



RECYCLABLE
CARTONS,
PACKAGING AND WIPES.
REMEMBER TO SEPARATE
YOUR WASTE!

* Subject to raw-material availability.

COLD-DISINFECTION INNOVATION



UMONIUM³⁸
master in disinfection



**NO RESIDUE
AFTER RINSING**



* Subject to raw-material availability.



Non-toxic



Flame-resistant



**Free from
harmful
vapours**

**WE OFFER THE ALTERNATIVE TO
HAZARDOUS AND CORROSIVE
CHEMICAL PRODUCTS**

**pH
neutral**

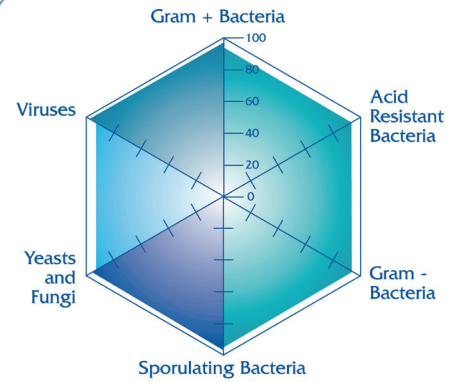
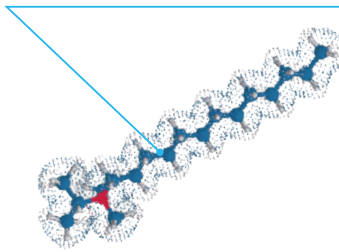
✓ FORMULA FREE FROM
→ CMR COMPONENTS
→ ENDOCRINE DISRUPTORS

A DISINFECTANT TO SUIT EVERY NEED

It took us 38 attempts to obtain the perfect formula combining **performance, fast action, stability and neutral pH.**

The formulation of UMONIUM³⁸ offers a significantly wider spectrum of activity. **Contact times are short and realistic. Usage concentrations are low.** The formula's surface-active nature ensures **powerful action** for cleaning, high-level disinfection and removing greasy films, protein films and biofilms, through soaking, water circulation, wet wiping or a mist or foam spray – whether cold or hot.

Isopropyl-Tridecyl-Dimethyl Ammonium







A NEW CERTIFICATION FOR OUR MEDICAL DEVICES

Huckert's International Laboratory is in the process of obtaining certification in compliance with regulation (EU) 2017/745 relating to medical devices. This applies to a wider range of products than the guideline 93/42/EEC and includes new classification rules. Major improvements included in this new regulation include:

- ✓ reinforced compliance assessment (clinical assessment)
- ✓ increased after-sales monitoring
- ✓ increased product traceability following the implementation of "UDI" codes (unique device identifier)
- ✓ increased risk management
- ✓ increased transparency with the introduction of "EUDAMED" European platform

The compliance process carried out by Huckert's International Laboratory in order to obtain certification allows us to guarantee increasingly quality-oriented medical-device disinfectants.

PROVEN EFFICACY

	LABORATORY SITUATIONS AND CONDITIONS	BACTERIA REDUCTION	FUNGI REDUCTION	VIRUS REDUCTION	MYCOBACTERIA REDUCTION	DISINFECTION PERFORMANCE
PHASE 1	SCREENING TEST 	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	LOW PERFORMANCE ★ Artificial assessment
	SUSPENSION TEST 	99.999% 5 log EN 1276 EN 13727 <i>P. aeruginosa</i> <i>S. aureus</i> <i>E. hirae</i>	99.990% 4 log EN 1650 EN 13624 <i>C. albicans</i> <i>A. brasiliensis</i>	99.990% 4 log EN 14476 EN 14476 <i>Poliovirus 1</i> <i>Adenovirus 5</i> <i>Murine norovirus</i> <i>Human coronavirus</i> <i>Vaccinia Virus</i>	99.990% 4 log EN 14348 EN 14348 <i>M. avium</i> <i>M. terrae</i>	MEDIUM PERFORMANCE ★ ★ Limited validation
PHASE 2 step 2	TEST IN DRY CONDITIONS 	99.990% 4 log EN 13697 99.999% 5 log EN 17387 EN 14561 EN 16615 <i>P. aeruginosa</i> <i>S. aureus</i> <i>E. hirae</i>	99.990% 4 log EN 13697 EN 14562 EN 16615 <i>C. albicans</i> <i>A. brasiliensis</i>	99.990% 4 log N/A EN 16777 EN 17111 <i>Adenovirus 5</i> <i>Norovirus</i> <i>Vaccinia virus</i> <i>Parvovirus</i>	99.990% 4 log N/A EN 14563 <i>M. avium</i> <i>M. terrae</i>	HIGH PERFORMANCE ★ ★ ★ Validation close to practical conditions
	TEST IN PRACTICAL CONDITIONS 	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	VERY HIGH PERFORMANCE ★ ★ ★ ★ Validation in practical conditions

MASTER STANDARD EN 14885:2022

EN = European Standard

EN XXX = MD/Instruments

EN XXX = Biocides

EN XXX = Mechanical action

N/A = Not Applicable

WHY USE OUR PRODUCTS?



UMONIUM³⁸
master in disinfection

OUR DISINFECTING SOLUTIONS DERIVED FROM FINE CHEMISTRY



WIDE BACTERICIDAL,
LEVURICIDAL,
MYCOBACTERICIDAL,
VIRUCIDAL & SPORICIDAL
SPECTRUM



SAFE
FREE FROM CMR
SUBSTANCES AND
ENDOCRINE DISRUPTORS



NO RESIDUE
AFTER RINSING



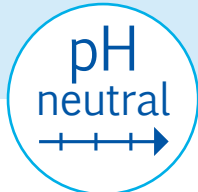
REALISTIC
CONTACT TIMES



STABLE



FLAME-RESISTANT



NON-CORROSIVE



FREE FROM
HARMFUL VAPOURS



NON-POLLUTING



SURFACE-ACTIVE

OUR DERMATOLOGICAL SOLUTIONS DERIVED FROM MEDICINAL PLANTS

PHYTOGEL[®]
By HUCKERT'S



NON-POLLUTING



NON-STICKY
TEXTURE



HYDROALCOHOLIC GELS
EFFECTIVE AGAINST MRSA
AND CORONAVIRUS



SAFE
FORMULATED WITH THE
SAFEST INGREDIENTS



COMMON USES



SUITABLE FOR
ALL THE FAMILY



DERMATOLOGICALLY
TESTED



100% NATURAL
FRAGRANCE



FRAGILE SKIN



FORMULAS WITH
ESSENTIAL OILS

SUPPORTING YOUR BUSINESS SECTOR



The production of flowers, fruits, cereals, oleaginous plants and other ornamental plants is in constant evolution, with a need for ever greater expertise, as the production of seeds and seedlings, the development of more responsible agriculture and soilless cultivation require extra care with regard to cleaning and disinfection procedures.

From the agronomy laboratory and cultivation, right through to quality- and health-control laboratories, Huckert's International Laboratory provides top-rate innovative solutions combining performance and absolute safety, with a real impact on production – in line with our environmental approach.

LABORATORY/RESEARCH

The search for new varieties, increased resistance, increased productivity, taste improvement and more. Whatever your objective, the slightest contamination can jeopardise an entire protocol. As a result, rigorous hygiene procedures are required, as it is essential that any risk of contamination is eliminated, using efficient, controlled, validated, quick and easy disinfection procedures, while taking into account parameters regarding specific equipment, conditions of use, plant sensitivity, operator health and environmental impact.

Molecular biology, cell culture, pathogen detection, medical imaging and more. Our products comply with the highest efficiency standards on all pathogens, and meet all types of needs including those of clean rooms and insulators (manufacture of agar and nutrient solutions, vials/glassware/small instruments and culture dishes, water baths, BSCs, incubators, cultivation cabinets, medical imaging equipment, insulators, lab benches and other surfaces, greenhouses, seed and cultivation trays, irrigation equipment, etc.).

PRODUCTION AND CULTURES

An entire production may be jeopardised by a fungal, viral or bacterial issue, or the uncontrolled development of algae or cyanobacteria, and only efficient cleaning and disinfection precautions can guarantee optimal cultivation conditions.

The performance and innocuity of products used must also be considered in new cultivation conditions and productions derived from cloning or budwoods.

Manufacture of agar and nutrient solutions, surfaces, irrigation equipment and circuits, glassware, cultivation boxes and trays, seed trays, cultivation cabinets, nurseries, greenhouses, transplanting and sampling tools, hygiene stations, transport (vehicles and containers).

Important: It is essential to rinse all equipment in direct contact with the plant and the roots. Do not spray on the plant, roots or leaves.

OUR SOLUTIONS TO SUIT YOUR LINE OF BUSINESS



UMONIUM³⁸ NEUTRALIS



Class IIb Medical Device



UMONIUM³⁸ NEUTRALIS SPRAY



Class IIb Medical Device



UMONIUM³⁸ NEUTRALIS TISSUES



Class IIa Medical Device

OUR DISINFECTANTS FOR THE MOST SENSITIVE OF ENVIRONMENTS

Particularly recommended **for high-risk environments**, the UMONIUM³⁸ **NEUTRALIS** range offers unscented and essential-oil-free medical devices **with FULL innocuity, including embryonic-environment validation** (Mouse Embryo Assay and Human Sperm Survival Assay validations). Compliant with **DE 93/42/EEC relating to medical devices** (annex II, excl. §4) and perfect for daily use on surfaces and equipment classified as medical devices, even in the most sensitive environments.

Our detergent and disinfectant products are **stable, pH-neutral, safe** (flame-resistant, with no risk of corrosion, burning or toxic vapour) **and free from CMR components and endocrine disruptors**. They are **effective on all pathogenic flora**, meet the highest **European standards** and leave **no residue after rinsing**.



Double-packaging radiosterilisation: available by contract

FORMAT AND CAPACITY

- ✓ Concentrated solution for dilution at 0.5% or 2.5% for application by soaking or wet wiping.
- ✓ 1 L of concentrate gives 200 L of diluted solution (0.5%).

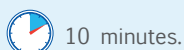
FORMATS

1 L and 5 L.

EXAMPLE APPLICATIONS (CLEANING AND DISINFECTING)

- ✓ Floors
- ✓ Lab benches and furniture
- ✓ Insulators
- ✓ Glassware
- ✓ Laboratory instruments

CONTACT TIME



10 minutes.

FORMAT AND CAPACITY

- ✓ Ready-to-use spray with double nozzle (fine spray or foam) for application by wet wiping.
- ✓ 500 ml can treat a surface of 100 m².

FORMATS

500 ml.

EXAMPLE APPLICATIONS (CLEANING AND DISINFECTING)

- ✓ Lab benches and furniture
- ✓ Insulators
- ✓ Glassware
- ✓ Insectarium
- ✓ Laboratory instruments

CONTACT TIME



5 minutes.

FORMAT AND CAPACITY

- ✓ Ready-to-use wipes for application by wet wiping.
- ✓ One wipe (20 x 20 cm) can treat a surface of 3 m².

FORMATS

Single-dose pouch and dispenser box containing 100 wipes (20 x 20 cm).

EXAMPLE APPLICATIONS (CLEANING AND DISINFECTING)

- ✓ Lab benches and furniture
- ✓ Insulators
- ✓ Glassware
- ✓ Insectarium
- ✓ Laboratory instruments

CONTACT TIME



5 seconds.



UMONIUM³⁸
MASTER FOOD



PT2 and PT4 biocide detergent and disinfectant



UMONIUM³⁸
MASTER FOOD SPRAY



PT2 and PT4 biocide detergent and disinfectant



UMONIUM³⁸
MASTER FOOD TISSUES



PT2 and PT4 biocide detergent and disinfectant

OUR DISINFECTANTS FOR FOOD-CONTACT ENVIRONMENTS

Specifically developed **for surfaces in contact with food products**, the UMONIUM³⁸ **MASTER FOOD** range offers unscented, essential-oil-free biocides. Compliant with the new **European regulation No 528/2012 on biocides** and perfectly suited for daily use on critical HACCP surfaces and equipment.

Our detergent/disinfectant and degreaser products are **stable, pH-neutral, safe** (flame-resistant, with no risk of corrosion, burning or toxic vapour) **and free from CMR (Carcinogenic, Mutagenic and Reprotoxic) components and endocrine disruptors**. They are **effective on all pathogenic flora**, meet the highest **European standards** and leave **no residue after rinsing**.



Double-packaging radiosterilisation: available by contract

FORMAT AND CAPACITY

- ✓ Concentrated solution for dilution at 0.5% (cleaning) or 2.5% (disinfection) for application by soaking or wet wiping.
- ✓ 1 L of concentrate gives 200 L of diluted solution (0.5%).


FORMATS

1 L, 5 L, 25 L, 200 L and 1,000 L.

EXAMPLE APPLICATIONS (CLEANING AND DISINFECTING)

- ✓ Fruit and vegetable production
- ✓ Any food contact
- ✓ ...

CONTACT TIME

 15 minutes.

FORMAT AND CAPACITY

- ✓ Ready-to-use spray with double nozzle (fine spray or foam) for application by wet wiping.
- ✓ 500 ml can treat a surface of 100 m².


FORMATS

500 ml.

EXAMPLE APPLICATIONS (CLEANING AND DISINFECTING)

- ✓ Fruit and vegetable production
- ✓ Any food contact
- ✓ ...

CONTACT TIME

 15 minutes.

FORMAT AND CAPACITY

- ✓ Ready-to-use wipes for application by wet wiping.
- ✓ One wipe (20 x 20 cm) can treat a surface of 3 m².


FORMATS

Box of 100 units (20 x 20 cm).

EXAMPLE APPLICATIONS (CLEANING AND DISINFECTING)

- ✓ Fruit and vegetable production
- ✓ Any food contact
- ✓ ...

CONTACT TIME

 5 minutes.

OUR SOLUTIONS TO SUIT YOUR LINE OF BUSINESS



UMONIUM³⁸ MASTER



TP2 biocide



UMONIUM³⁸ INSTRUMENTS



Class IIb Medical Device

OUR DISINFECTANTS WITH ESSENTIAL OILS

Derived from **fine chemistry**, our detergents and disinfectants **with essential oils** provide **high-level disinfection** with **short contact times**, **simple procedures** and **economical dosage**. Our medical devices are compliant with **DE 93/42/CEE relating to medical devices** (annex II, excl. §4) and our biocides comply with the new European regulation **No 528/2012 on biocides**.

Entirely compatible with daily use, our products are **stable, pH-neutral, safe** (flame-resistant, with no risk of corrosion, burning or toxic vapour) and **free from CMR components and endocrine disruptors**. They are **effective on all pathogenic flora**, meet the highest **European standards** and leave **no residue after rinsing**.



100%

RECYCLABLE PLANT-BASED
PACKAGING*



DEODORISING PROPERTIES
THANKS TO ESSENTIAL OILS

Double-packaging radiosterilisation: available by contract

FORMAT AND CAPACITY

- ✓ Concentrated solution for dilution at 0.5% or 2.5% for application by soaking or wet wiping.
- ✓ 1 L of concentrate gives 200 L of diluted solution (0.5%).

FORMATS

1 L, 5 L, 25 L, 200 L and 1,000 L.

EXAMPLE APPLICATIONS (CLEANING AND DISINFECTING)

- ✓ Floors (production and cultures, storage areas and cold storage, disinfection mats, hygiene station, foot baths and boot washers, etc.)

CONTACT TIME



15 minutes.

FORMAT AND CAPACITY

- ✓ Concentrated solution for dilution at 0.5% or 2.5% for application by soaking.
- ✓ 1 L of concentrate gives 200 L of diluted solution (0.5%).

FORMATS

1 L and 5 L.

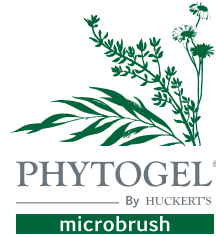
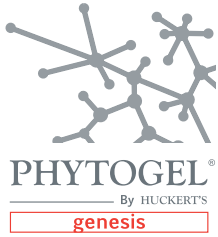
EXAMPLE APPLICATIONS (CLEANING AND DISINFECTING)

- ✓ Sampling tools
- ✓ Transplanting tools
- ✓ Laboratory instruments
- ✓ Production tools

CONTACT TIME



5 minutes.



UNSCENTED



TP1 biocide



TP1 biocide



Dermocosmetics



Dermocosmetics

95.1%

INGREDIENTS OF NATURAL ORIGIN**

HAND HYGIENE

Hands, as our most used tool, are the most important vectors for the transmission of micro-organisms. As a result, their hygiene plays an essential role in the control of infection risks.

However, repeated use of soaps and hydroalcoholic solutions can cause skin dryness and may lead to dermatological disorders: such as dermatitis, allergies or eczema.

PHYTOGEL By HUCKERT'S® includes ranges enriched with essential oils that respect your skin, even if dry, ensuring impeccable hygiene.



HYDROALCOHOLIC GEL ENRICHED WITH EMOLLIENT AGENTS

PHYTOGEL By HUCKERT'S® **sanitiser**, enriched with thyme, chamomile and eucalyptus essential oils and **PHYTOGEL** By HUCKERT'S® **genesis**, enriched with emollient agents are deeply moisturising and ensure hygienic- and surgical-grade disinfection.

What's more, their texture is non-sticky, causes no discomfort when wearing gloves, and leaves no residue feeling even after several applications.



SURGICAL
DISINFECTION

Validated after 3 min.



HYGIENIC
DISINFECTION

Validated after 30 secs.

FOR WHOM?

- ✓ All hands that need to be disinfected.
- ✓ Unscented

FORMATS

100 ml, 400 ml and 1 L.

HYDROALCOHOLIC GEL ENRICHED WITH ESSENTIAL OILS

FOR WHOM?

- ✓ All hands that need to be disinfected.
- ✓ With medicinal essential oils.

FORMATS

100 ml, 400 ml and 1 L.

EXFOLIATING SOAP ALL SKIN TYPES

Specially developed for very dirty hands, **PHYTOGEL** By HUCKERT'S® **microbrush** cleanses and deeply removes impurities from skin creases thanks to its non-abrasive microbeads and its formula enriched with essential oils.

FOR WHOM?

- ✓ Very dirty hands that need to be deeply cleansed with soap enriched with essential oils.

FORMATS

5 L.

DERMATOLOGICAL SOAP ALL SKIN TYPES

Enriched with essential oils and naturally scented, **PHYTOGEL** By HUCKERT'S® **nature** gently cleanses, respects the skin barrier and protects even the driest of skin.

PHYTOGEL By HUCKERT'S® **nature**: your daily ally to protect you against skin damage.

FOR WHOM?

- ✓ All hands that need to be cleansed gently with soap enriched in essential oils.

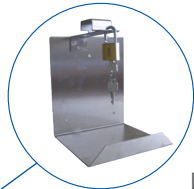
FORMATS

100 ml, 400 ml and 1 L.

NAME	PHOTO(S)	ITEM No	DESCRIPTION	CARTON
		PF 12510	1 L dispenser	12 x 1 L
		PF 12512	5 L drum with pump	4 x 5 L
		EMB 0013 - 0.5%	Full ECONOMATIC pump kit - Dosage 0.5%	1 item
		EMB 0013 - 2.5%	Full ECONOMATIC pump kit - Dosage 2.5%	1 item
		PF 12608	500 ml spray bottle	24 x 500 ml
		PF 10769	Box of 100 precut units (20 x 20 cm)	6 x 100
		PF 10779	500 individual pouches (20 x 20 cm)	500 x 1
		PF 10520	25 L pump dispenser	1 x 25 L
		PF 12110	1 L dispenser	12 x 1 L
		PF 12112	5 L drum with pump	4 x 5 L
		EMB 0013 - 0.5%	Full ECONOMATIC pump kit - Dosage 0.5%	1 item
		EMB 0013 - 2.5%	Full ECONOMATIC pump kit - Dosage 2.5%	1 item

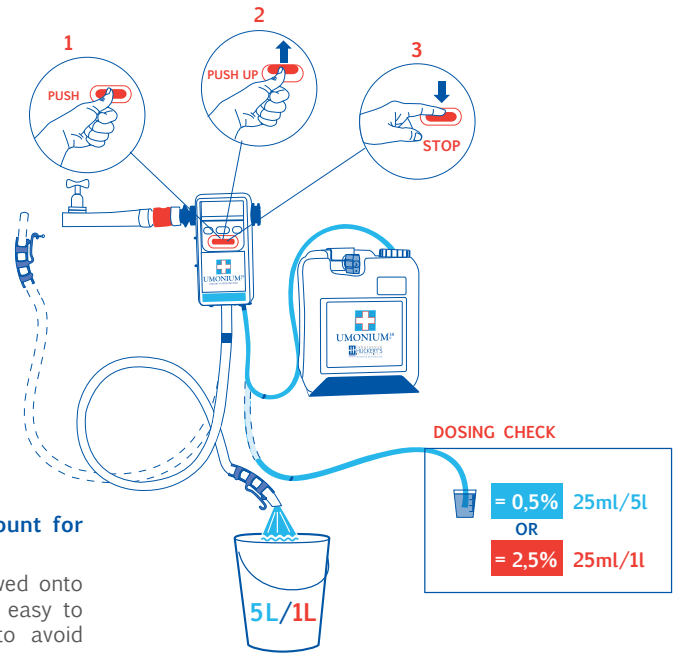
NAME	PHOTO(S)	ITEM No	DESCRIPTION	CARTON
		PF 20803	100 ml travel bottle	28 x 100 ml
		PF 20806	400 ml bottle	15 x 400 ml
		PF 20821	1 L refill for manual and automatic dispenser	11 x 1 L
		EMB 1252	Manual wall dispenser	1 item
		EMB 1253	Automatic wall dispenser	1 item
		PF 20403	100 ml travel bottle	28 x 100 ml
		PF 20807	400 ml bottle	15 x 400 ml
		PF 20421	1 L refill for manual and automatic dispenser	11 x 1 L
		EMB 1252	Manual wall dispenser	1 item
		EMB 1253	Automatic wall dispenser	1 item
		PF 20212	5 L drum with pump	4 x 5 L
		PF 20811	100 ml travel bottle	28 x 100 ml
		PF 20809	400 ml bottle	15 x 400 ml
		PF 20112	5 L drum with pump	4 x 5 L
		PF 20109	1 L refill for manual and automatic dispenser	11 x 1 L
		EMB 1252	Manual wall dispenser	1 item
		EMB 1253	Automatic wall dispenser	1 item

5 L drums are directly connected to the **ECONOMATIC** dosing station. This system allows for simple, precise dosage. It removes the need for any complicated concentration calculations. All you need to do is push the button and the required quantity will be dispensed.



Stainless-steel mount for 5 L drum

Designed to be screwed onto a wall, it is sturdy and easy to clean. It includes a lock to avoid any potential theft.



NOTES:

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UMONIUM^{®38}
 master in disinfection



PHYTOGEL[®]
 By HUCKERT'S



MONEY-BACK GUARANTEE

All Huckert's International Laboratory products come with a **money-back guarantee**.
 We offer the quality that only a passionate manufacturer can offer.



* Subject to raw-material availability.



www.huckerts.net