

A HOW-TO GUIDE

The Probiotic Home Revolution

A Science-Based Guide to Effective
Cleaning for Modern Families



By Simply Life Biotechnologies

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INTRODUCTION

The Quiet Revolution That Saved My Sanity (and My Cleaning Cabinet)



What if I told you that the key to a cleaner, healthier home isn't about killing every microbe in sight, but rather about working with beneficial bacteria to create a naturally balanced environment?

For decades, we've been conditioned to believe that

CLEAN = KILL EVERYTHING.

We've armed ourselves with bleach, ammonia, and harsh chemicals, waging war against all microorganisms. But groundbreaking science now says the opposite: some bacteria are not just harmless—they're essential allies in maintaining a truly clean and healthy home.

Many of us already trust probiotics to support our gut health and immune system. We understand that 'good bacteria' are essential for our internal balance. It's time we bring that same biological intelligence into our homes.

As a mum of three (including twins), a full-time professional, and the one who hosts all the family gatherings — birthdays, Christmas, Easter, you name it — I was completely drained by the never-ending cycle of cleaning that never stayed done. It was a constant weight on my mental load. Then, to top it all off, the youngest comes home from school with a tummy bug, plus my husband's terrible seasonal allergies kicking in full force — and boom my stress levels didn't just skyrocket, they went into orbit!

Then I discovered Professor Caselli's research — and it was a total game-changer. It changed everything I knew about hygiene. I founded Simply Life Biotechnologies to bring this newly validated technology into our homes.

01 *Origin* is the result: a way to protect our families, simplify our lives, and finally stop worrying about the invisible.

In this guide, you'll discover how beneficial bacteria can transform your home environment, creating lasting cleanliness while contributing to a healthier home. Welcome to the quiet revolution.

Emma

CHAPTER I

The Science Behind Probiotic Cleaning

Understanding the Microbial World

Your home is not sterile—nor should it be. Every surface, every corner, every breath of air contains microscopic life forms that form complex ecosystems called microbiomes. Just as your gut has a microbiome essential for health, your home has its own microbial community that can either support or threaten your family's wellbeing.

Recent research published in leading scientific journals has revealed that probiotic cleaning products work on a fundamentally different principle than traditional cleaners. Instead of attempting to eliminate all microorganisms, they introduce beneficial bacteria that naturally outcompete unwanted bacteria.

Competitive exclusion — family bed edition



The Competitive Exclusion Principle

The science behind probiotic cleaning centers on a biological phenomenon called competitive exclusion. When beneficial bacteria colonize a surface, they consume the same resources that unwanted bacteria need to survive. This creates a natural barrier against unwanted microorganisms.

A landmark eight-month study published in peer-reviewed literature compared three cleaning approaches: traditional disinfectants, plain soap, and probiotic cleaners containing patented *Bacillus* spore consortiums.

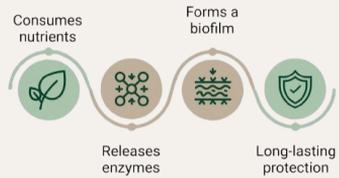
The results were remarkable—probiotic cleaning not only maintained cleanliness but actually improved the overall microbial balance of treated environments.

CHAPTER I

The Science Behind Probiotic Cleaning

How Probiotic Cleaners Work

When you apply a probiotic cleaner to a surface, you're introducing millions of beneficial bacteria that immediately begin working. These microscopic allies:



- Consume organic matter: They break down dirt, grime, grease, and other residues that serve as food sources for unwanted bacteria
- Produce natural enzymes: These biological compounds continue cleaning long after you've finished wiping
- Establish stable colonies: Beneficial bacteria form biofilms that help maintain a natural microbial balance on surfaces.
- Create lasting activity: Unlike chemical cleaners that stop working once they dry, probiotics continue their beneficial activity for days

The Research Evidence

Probiotic cleaning has been extensively tested in hospitals, maternity wards, elderly care homes and daycares.

Key findings:

- Studies on probiotic cleaning systems have shown a reduction of antimicrobial resistance genes of up to 99%* on treated surfaces
(*: Caselli E, D'Accolti M, Vandini A, et al. (2016) - see bibliography p. 30)
- Over 60 % fewer resistant bacterial strains
- Measurable improvement in indoor air quality and respiratory safety

A landmark 8-month peer-reviewed study showed probiotic systems not only maintain cleanliness — they actively improve microbial balance, outperforming traditional disinfectants.

Real-world proof, now ready for your home.

CHAPTER II

Breaking Down the Benefits

How Probiotic Cleaning Supports Everyday Well-Being

The transition to probiotic cleaning can offer a range of benefits for your home environment that go beyond visible surface cleanliness:

*« A healthy home starts
with the air we breathe
and the surfaces we
touch every day. »*



Gentler for Indoor Air and Sensitive Noses

Probiotic cleaners are formulated without chlorine bleach, ammonia or heavy synthetic fragrances, which helps limit the release of certain volatile organic compounds (VOCs) compared to many conventional cleaners. This can contribute to a more pleasant indoor environment, especially for households that prefer milder formulations. While research on probiotic cleaning has explored potential impacts on indoor air quality, individual sensitivity can vary and these products are not intended to prevent or treat respiratory conditions.

CHAPTER II

Breaking Down the Benefits

How Probiotic Cleaning Supports Everyday Well-Being

Reduced Chemical Exposure

Conventional cleaners may contain substances such as bleach, ammonia or certain chemical fragrances that can cause irritation or discomfort in some users when misused or over-used. By choosing probiotic detergents based on carefully selected micro-organisms and ingredients of natural origin, you can reduce your reliance on some of these harsher formulations as part of your overall cleaning routine. As with any household product, safe use according to the instructions remains essential.



Helps Maintain a Balanced Home Microbiome

By promoting a more balanced microbial environment on treated surfaces, probiotic cleaning encourages the presence of beneficial bacteria rather than aiming for complete sterility. This ecological approach respects your home's microbial ecosystem and complements other everyday habits that contribute to a comfortable and healthy-feeling living space. This concept is particularly relevant for families with children, for whom appropriate and diverse microbial exposure is discussed in scientific literature as one factor among many in overall development.

CHAPTER II

Breaking Down the Benefits

Environmental Benefits

Biodegradable and Eco-Friendly

Probiotic cleaning formulations are based on carefully selected ingredients and micro-organisms, many of which are readily biodegradable according to standard test methods. Unlike some conventional cleaners that may contain substances persisting longer in the environment, probiotic detergents are designed to be compatible with modern wastewater treatment systems when used as directed. Their objective is to limit the overall environmental footprint of everyday cleaning, without claiming a zero-impact solution. It's a way to clean confidently, knowing your everyday choices are designed with both your home and the wider environment in mind.

What Science Says About Microbial Resistance

In hospitals and other professional settings, researchers have tested probiotic cleaning routines and observed that they can reshape surface microbiota compared with traditional disinfectant-only approaches. These results highlight the potential of probiotic cleaning to work with beneficial microbes rather than against all of them. At home, probiotic detergents bring this science-inspired approach into everyday life, supporting a balanced, clean environment alongside the targeted use of natural disinfectants whenever they are needed.



CHAPTER II

Breaking Down the Benefits

Performance Benefits

Longer-Lasting Cleanliness

One of the most satisfying advantages of probiotic cleaning is its long-lasting clean feeling. While chemical cleaners stop working the moment they dry, beneficial bacteria continue producing enzymes that break down dirt and grime for hours after application. This means your kitchen counter stays cleaner longer, your bathroom surfaces resist soap scum buildup, and long-lasting freshness on soft surfaces such as fabrics and upholstery.

Self-Sustaining Microbial Balance

Probiotic cleaners create what researchers call a "self-sustaining microbial balance" on treated surfaces. Beneficial bacteria settle in, forming stable beneficial communities that support ongoing cleanliness and make it harder for unwanted microbes to take over. The more regularly you use a probiotic routine, the more this invisible ally works in the background, helping your home stay naturally clean-feeling day after day.

Deep Cleaning at the Microscopic Level

Conventional cleaners can only act where the liquid touches. Probiotic cleaners work one step further: at the microscopic level, with bacteria that can reach into tiny crevices and porous areas that are difficult to access with standard sprays. This microscopic action complements your usual wiping and leaves surfaces feeling deeply clean and smooth, even in spots that normally require extra effort.



CHAPTER III

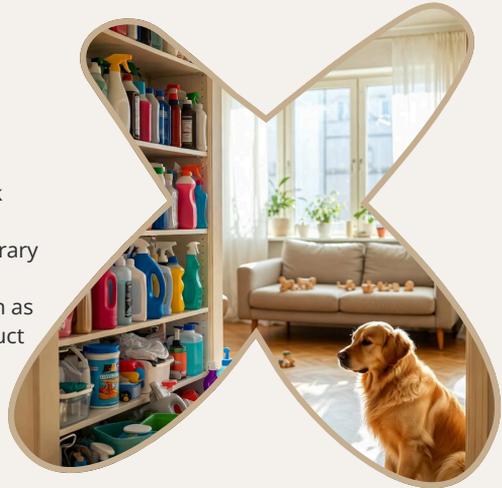
Conventional vs Probiotic Cleaning

The Chemical Cleaning Approach

For generations, the cleaning industry has followed a simple philosophy: kill everything! This scorched-earth approach uses powerful chemicals to eliminate all microorganisms, regardless of whether they're beneficial or unwanted.

How Chemical Cleaners Work

- Create an inhospitable environment for all microorganisms
- Use toxic compounds to break down cellular structures
- Provide immediate but temporary sterilization
- Require frequent reapplication as the effect ends once the product has dried



« Say goodbye to the old way. »

The Limitations

Research has revealed several significant drawbacks to the traditional chemical approach. While these products can achieve immediate sterilization, they create an ecological vacuum that unwanted bacteria often fill more quickly than beneficial ones. Additionally, the harsh chemicals pose health risks to families and environmental concerns for our planet.

CHAPTER III

Conventional vs Probiotic Cleaning

The Probiotic Revolution

Probiotic cleaning represents a fundamental shift in thinking—from fighting nature to working with it.

This approach recognizes that complete sterilization isn't just unnecessary; it can actually be counterproductive.



How Probiotic Cleaners Work

- Introduce beneficial bacteria that naturally outcompete unwanted ones
- Create sustainable microbial ecosystems
- Provide ongoing activity that develops over time
- Support the home's natural biological balance

The Advantages

Recent studies have demonstrated that probiotic cleaning systems are not only safer but can be more effective than traditional methods. They provide long-lasting surface activity, reduce the need for frequent cleaning, and create healthier indoor environments.

CHAPTER III

Conventional vs Probiotic Cleaning

Performance Comparison

Immediate Effectiveness

Both chemical and probiotic cleaners can achieve visible cleanliness immediately. However, scientific studies have shown that probiotic cleaners are just as effective as chemical alternatives for removing dirt, grime, and organic matter.

Long-Lasting Activity

This is where probiotic cleaners truly excel. While chemical cleaners stop working once they evaporate, beneficial bacteria continue their natural surface activity for extended periods. Research has documented ongoing microbial balance improvements for days after probiotic cleaner application.

Safety Profile

The safety advantage of probiotic cleaners is undeniable. Unlike chemical cleaners that require protective measures and ventilation, probiotic formulations require no special handling precautions and align with health and safety standards for family use.



« The new power move in cleaning.»

CHAPTER IV

Your Home Is Alive (Whether You Like It or Not)

Understanding Your Home's Microbiome

Just as your body hosts trillions of beneficial bacteria essential for health, your home contains complex microbial communities that significantly impact your family's wellbeing. This home microbiome includes surfaces, air, and even the dust that settles throughout your living space.

Recent research has shown that homes with greater microbial diversity tend to have healthier occupants. This diversity includes beneficial bacteria that help process organic matter, compete with potential unwanted bacteria, and contribute to better indoor air quality.

The Impact of Modern Living

Modern homes, with their emphasis on sterility and chemical cleaning, often have disrupted microbiomes. Over-cleaning with harsh chemicals can eliminate beneficial bacteria while creating conditions that favor the accumulation of organic matter like dust mite debris. Research suggests that an imbalanced indoor microbiome may be linked to:

- More frequent allergy and asthma symptoms
- Greater vulnerability to infections
- Potential effects on children's developing microbial exposure
- Reduced overall indoor air quality



CHAPTER IV

Your Home Is Alive

(Whether You Like It or Not)

The Domestic Microbiome: An Ally Against Seasonal Allergies

Spring often means sneezing, irritated eyes, and tissues always within reach.

According to the Swiss Allergy Centre (aha!), around 20% of the population – approximately 1.4 million people – suffers from pollinosis (hay fever).

Grasses affect 70% of allergy sufferers, and with climate change, the season is lengthening by 2 to 4 weeks, with pollen arriving earlier and stronger.

But why do symptoms sometimes seem **worse indoors** than outdoors?

Pollen enters through windows, clothing, hair... and once inside your home, it encounters the invisible ecosystem of your house: the domestic microbiome (bacteria, fungi, etc. on surfaces, in the air, and in dust).

Research shows that:

A **diverse and balanced** domestic microbiome (like in rural or "farm-like" environments) helps regulate the immune system and reduces excessive reactions to allergens such as pollen.

Conversely, an imbalance (often caused by overly aggressive chemical cleaning) promotes the accumulation of allergenic dust, indoor moulds, and increased hypersensitivity.

Probiotic cleaning changes the game: by introducing beneficial bacteria (such as the selected *Bacillus* strains in 01 origin), it promotes a protective microbial diversity.

These microscopic allies **break down the organic residues that feed allergens**, improve indoor air quality, and contribute to an environment less conducive to allergic reactions.

No miracle promised, but a natural daily support to breathe more freely in spring.



CHAPTER IV

Your Home Is Alive (Whether You Like It or Not)

How Probiotic Cleaning Restores Balance

Probiotic cleaning products work to restore and maintain a healthy home microbiome by:

Reintroducing Beneficial Species

Each application introduces millions of beneficial bacteria that colonize surfaces and establish stable beneficial communities. These bacteria are specifically selected for their ability to thrive in home environments while providing maximum benefit.

Supporting Microbial Diversity

Rather than creating a sterile environment, probiotic cleaning encourages appropriate microbial diversity. This diversity is key to a stable, healthy ecosystem that can resist colonization by unwanted microorganisms.

Creating Sustainable Ecosystems

The beneficial bacteria in probiotic cleaners don't just clean and disappear—they establish ongoing communities that continue to support a stable microbial balance over time.

« Letting the good ones in »



CHAPTER IV

Your Home Is Alive (Whether You Like It or Not)

Every Room Has Its Own Ecosystem

Different areas of your home have unique microbial challenges and opportunities:

Kitchen

The kitchen's combination of food particles, moisture, and warmth creates ideal conditions for bacterial growth. Probiotic cleaning helps ensure that beneficial bacteria colonize surfaces before unwanted ones can establish themselves, ensuring a deep clean that removes organic residues often associated with food preparation.



Bathroom

High humidity and organic matter make bathrooms challenging environments.

Probiotic cleaners excel here by establishing bacterial colonies that continuously break down soap scum, helps keep surfaces clean and free from the organic buildup that can lead to mold stains, and maintain fresher air quality.

Living Areas

Dust, skin cells, and pet dander provide nutrients for various microorganisms. Probiotic cleaning helps ensure that beneficial bacteria process this organic matter while preventing the growth of allergen-producing species.



CHAPTER IV

Your Home Is Alive (Whether You Like It or Not)

"Cleaning is 80% Mental Load. Let 01 Origin Take the Burden."

Traditional cleaning is a Hamster Wheel: You scrub, it's clean, and two hours later, your kids or pets walk in with muddy feet or sticky hands you're back at square one.

This endless cycle is the root of mental exhaustion.



With 01 Origin, you break the cycle. You switch from "Manual Cleaning" to an "Automated Ecosystem":

- Continuous Action: Our probiotics work 24/7. Even if you don't clean today, they do.
- Predictive Hygiene: By establishing a healthy biofilm, you prevent dirt from sticking. Surfaces stay clean longer.
- True Peace of Mind: You no longer need to wonder if your floor is safe for your baby or your pet. You know it is.



Stop thinking about cleaning. Let biology do the work.

CHAPTER V

Your First 30 Days with O1 origin

Week 1-2

Week 3-4

Beyond

Boost Mode

Anchoring Mode

Auto-Pilot

USE
3 TIMES / WEEK 

USE
2 TIMES / WEEK

USE
ONCE A WEEK

→ Jumpstart your
probiotic ecosystem

→ Solidify and
strengthen the
ecosystem

→ Low effort, high
performance
(5-day results)

 WANT TO FAST-TRACK RESULTS?

Use daily during Week 1 → Switch to Auto-Pilot by Week 3!

Short on time? 3x/week for the first 2 weeks is the minimum to get the biology working.

Golden Rule

Between applications, a quick wipe with a damp microfiber cloth is enough.

The good bacteria do the rest—effortlessly!

WHAT YOU WILL EXPERIENCE:

Day 1-2 Visible cleanliness

Day 5-7 "Wait, it still smells fresh!"

Day 10-14 Decreased cleaning frequency

Day 21-30 Mental load lightens: you are cleaning 3x less.

 The WOW moment happens around Day 10-14. Stay the course!

Most families transition to once-a-week cleaning... and still
enjoy the cleanest, freshest home they've ever had!

CHAPTER V

Your First 30 Days with O1 origin

How to Use It (and it's Ridiculously Easy)

Proper Surface Preparation

For the fastest, strongest results, start with a surface that's free of heavy dirt, grease, or old chemical residues. Probiotic bacteria are amazing at digesting organic matter day after day, but they colonize much faster and more powerfully when they don't have to fight through thick layers first.

The golden rule: give surfaces a quick good wipe before your very first O1 origin application.

After that? O1 origin takes over and keeps everything cleaner for longer on its own.

Application Methods

Unlike harsh chemical cleaners you have to wipe off instantly, O1 origin loves a tiny pause to do its magic.

Spray it on, let it sit for just 30–60 seconds (about the time it takes to sing “Happy Birthday” once!), then wipe.

That short moment is all your good bacteria need to land, stick, and start working.

Frequency Adjustments

The best surprise families discover? With O1 origin, you'll quickly find yourself cleaning far less often than with traditional products. Once the beneficial bacteria are established, they keep working 24/7 on their own — keeping surfaces cleaner and fresher for at least 5 days (many families stretch it to 7 days or more!).

In short: the more you use O1 origin, the less you actually need to use it.

CHAPTER V

Your First 30 Days with 01 origin

Four Specialists. One Brand. Every Surface Covered

01 origin Kitchen

Focus on food preparation surfaces, sinks, and appliances. Pay particular attention to areas where cooking grease accumulates (stovetops and nearby counters), as this is where 01 origin Kitchen excels.

For other kitchen surfaces, use 01 origin All Purpose.



01 origin Bathroom

Target high-moisture areas where traditional cleaners often struggle with recurring issues like soap scum and mildew. Probiotics thrive in these environments, providing continuous protection against everyday bathroom cleaning challenges.

Living Space Integration

Use **01 origin All Purpose** on frequently touched surfaces like door handles, light switches, and hard surfaces (tables, consoles, sideboards). These applications help establish beneficial bacterial communities throughout your living environment.

Use **01 origin Pure** on soft surfaces (fabrics, sofas, headboards) and areas with strong odors like kitchen bins or sport equipment (cleats, hockey gear, helmets, shoes). These applications neutralize persistent odors and help reduce allergens load.

CHAPTER V

Your First 30 Days with O1 origin

Measuring Success

Visual Results

You'll notice that cleaned surfaces maintain their appearance longer between cleanings. Soap scum builds up more slowly, dust seems less problematic, and overall cleanliness appears more lasting.

Freshness

Many families report fresher, cleaner-smelling air throughout their homes. This improvement in indoor air quality is one of the most frequently mentioned benefits of probiotic cleaning.

Long-Term Benefits

Over time, many users express satisfaction with their indoor environment and how probiotic cleaning enhances their home.



CHAPTER VI

Safety and Effectiveness

Scientific Validation

The safety and effectiveness of probiotic cleaning products have been extensively studied and documented in peer-reviewed research. Multiple studies have confirmed that these products are not only safe for home use but can be more effective than traditional alternatives.

Safety Profile

Human Safety

The probiotic strains are carefully selected and are considered safe for home use (GRAS status). The bacterial strains used, typically *Bacillus* species, have been thoroughly tested and are considered safe even at high concentrations. These organisms are naturally occurring and have a long history of safe use in various applications.

Family-Friendly Formulations

Unlike chemical cleaners that require careful storage away from children and pets, probiotic cleaners are formulated with family safety as a priority. The ingredients of natural origin used in these products significantly reduce the risk of accidental poisoning or adverse reactions.

No Protective Equipment Required

The safety profile of probiotic cleaners is so favorable that they require no special protective equipment during use. This contrasts sharply with many chemical cleaners that recommend gloves, ventilation, and other safety precautions.



CHAPTER VI

Safety and Effectiveness

Effectiveness Validation

Comparative Studies

Recent research directly comparing probiotic cleaners to traditional chemical alternatives has demonstrated equivalent or superior cleaning performance. These studies measured both immediate cleaning effectiveness and long-lasting surface activity.

Long-term Performance

The ongoing activity of beneficial bacteria provides extended cleaning benefits that chemical products cannot match. Research has documented continuous enzymatic cleaning activity for hours and even days after application.

Antimicrobial Resistance Reduction

Perhaps most importantly, studies have shown that probiotic cleaning systems can reduce antimicrobial resistance genes by up to 99% in treated surfaces over time. This represents a significant advantage over chemical disinfectants, which can contribute to resistance development.



CHAPTER VI

Safety and Effectiveness

Addressing Common Concerns

Will Probiotic Cleaners Make Me Sick?

The bacterial strains used in probiotic cleaners are specifically selected for their safety profile. These beneficial bacteria are naturally occurring organisms that pose no health risk to humans or pets.

How Long Do the Benefits Last?

The beneficial bacteria in probiotic cleaners can remain active on surfaces for extended periods, continuing to provide cleaning and ongoing benefits long after application but minimum 5 days.



Are They Effective Against unwanted Bacteria?

Yes, through competitive exclusion. While probiotic cleaners don't kill bacteria like chemical disinfectants, they prevent unwanted bacteria from establishing themselves by occupying the same ecological niche.

Regulatory Considerations

Probiotic cleaning products are subject to appropriate regulatory oversight and must meet safety and effectiveness standards. The bacterial strains used are typically "Generally Recognized as Safe" (GRAS) organisms with extensive safety data.

CHAPTER VII

The Future of Home Hygiene



The Paradigm Shift

We stand at the threshold of a fundamental transformation in how we think about home cleanliness. The traditional model of sterility-through-chemistry is giving way to a more sophisticated understanding of microbial ecology and its role in human health.

Emerging Research

Current research is exploring even more advanced applications of beneficial bacteria in home environments. Scientists are investigating:

- Specialized bacterial strains for specific cleaning challenges
- Enhanced delivery systems for better bacterial colonization
- Integration of probiotic cleaning with smart home technologies
- Development of targeted solutions for different home microbiomes

CHAPTER VII

The Future of Home Hygiene

The Health Connection

Growing awareness of the connection between environmental microbiomes and human health is driving demand for probiotic cleaning solutions. As we learn more about how our surroundings affect our wellbeing, the appeal of working with rather than against nature becomes increasingly compelling.



Environmental Impact

The environmental benefits of probiotic cleaning extend beyond individual homes. As more families adopt these products, we can expect to see:

- Reduced chemical pollution in waterways
- Decreased contribution to antimicrobial resistance
- Lower environmental toxicity from household cleaning activities
- Improved ecological balance in residential communities

By choosing probiotic cleaning products, you're not just improving your own home environment—you're participating in a larger movement toward sustainable, health-conscious cleaning practices.

CONCLUSION

Your Next Steps to a Healthier Home

The science is clear: probiotic cleaning represents a superior approach to home hygiene that benefits your family's health, is designed to reduce the environmental impact of everyday cleaning, and provides more effective long-term cleanliness. The question isn't whether this technology works—multiple peer-reviewed studies have confirmed its effectiveness. The question is whether you're ready to embrace a better way of caring for your home.

Taking Action

Your journey toward a healthier home environment can begin today. Start with these simple steps:

1. Assess your current cleaning routine and identify areas where harsh chemicals might be unnecessary.
2. Choose one area of your home to begin your probiotic cleaning trial—kitchens and bathrooms typically show the most dramatic improvements
3. Give the process time to work—beneficial bacteria need several applications to establish stable colonies
4. Observe and enjoy the improvements in air quality, surface cleanliness, and overall home environment

The Bigger Picture

Your decision to adopt probiotic cleaning extends beyond your own home. You're contributing to a growing movement that prioritizes human health and environmental sustainability over short-term convenience. You're helping to create market demand for safer, more effective products that benefit everyone.

CONCLUSION

Your Next Steps to a Healthier Home

A Healthier Future

The probiotic home revolution is just beginning. As more households discover the benefits of working with beneficial bacteria rather than against all microorganisms, we can expect to see continued innovation and improvement in these products. By making the switch now, you're not just improving your current living environment—you're investing in a healthier future for your family and our planet.

The choice is clear. The science is solid. The benefits are proven. Your healthier home awaits.

About This Guide

This guide is grounded in current scientific research and peer-reviewed literature within the fields of probiotic sanitation and environmental microbiology, specifically focusing on the Probiotic Cleaning Hygiene System (PCHS). It draws significantly from the pioneering work conducted at the University of Ferrara, Italy, by Prof. Elisabetta Caselli and her distinguished team, including Dr. Maria D'Accolti, Dr. Irene Soffritti, and Dr. Sante Mazzacane.

While every effort has been made to ensure accuracy, this content is for informational purposes only. Readers should consult healthcare professionals for specific health concerns and always adhere to the instructions for product use. For further exploration, we encourage referring to the original peer-reviewed journals and industry publications.

*Transform your home today with the power of beneficial bacteria.
Your family's health and our planet's future depend on the choices
we make in our daily lives.*

Choose probiotic cleaning—choose a healthier tomorrow.

Join the Probiotic Revolution

Ready to start your 30-day reset?

Choose the ecosystem that fits your home



O1
origin

Essential

including

3 pouches (15 Probiopods™)

- 5 All Purpose
- 5 Kitchen
- 5 Bathroom

Each pod makes 500 ml of ready-to-use product

Total: 7.5 litres

Complete kit for homes up to 120 m² Lasts up to 4 months with regular use

CHF 59.-



O1
origin

Pure

1 pouch (5 Probiopods™)
Special Odor-Control Pure

Enhanced long-lasting odour-control formula (kitchen, pets, bins, sport equipment, shoes...) Lasts up to 4 months (120 m² home)

Each pod makes 500 ml of ready-to-use product

Total: 2.5 litres

CHF 25.-



O1
origin

Signature

including

4 pouches (20 Probiopods™)

- 5 All Purpose
- 5 Kitchen
- 5 Bathroom
- 5 Pure (Odor-Control)

Each pod makes 500 ml of ready-to-use product

Total: 10 litres

Premium all-in-one kit The complete solution for your entire home Lasts up to 4 months (120 m² home)

CHF 79.-

Visit our Shop

Scan to shop on mobile



How to prepare O1 origin?



Fill

500 ml tap water



Drop

Insert the pod



Wait

2 or 3 mins

“The perfect time to enjoy a quick coffee while the science wakes up.”



Spray

Ready to use

May the Probiotic forces Be with You!

BIBLIOGRAPHY

Caselli E, D'Accolti M, Vandini A, et al. (2016).

Impact of a Probiotic-Based Cleaning Intervention on the Microbiota Ecosystem of the Hospital Surfaces: Focus on the Resistome Dynamics.
PLOS ONE.

Caselli E, Brusafferro S, Coccagna M, et al. (2018).

Impact of a probiotic-based cleaning intervention on the residency of drug-resistant surface pathogens and rates of healthcare-associated infections.
PLOS ONE.

Caselli E, Coccagna M, Tarricone R, et al. (2019).

Reducing the resistome on hospital surfaces: the new strategy of probiotic cleaning.
Annals of Hygiene.

Tarricone R, Rognoni C, Arnoldo L, Mazzacane S, Caselli E. (2020).

Eco-sustainable probiotic cleaning in the hospital environment: A budget impact analysis.
Infection Control & Hospital Epidemiology.

D'Accolti M, Soffritti I, Bini F, Mazzacane S, Caselli E. (2021).

Antiviral activity of a probiotic-based cleaning system against SARS-CoV-2 and other enveloped viruses.
Journal of Hospital Infection.

Soffritti I, D'Accolti M, Coccagna M, et al. (2022).

Anti-Influenza A Virus Activity of a Bacillus subtilis-Based Probiotic Cleaning Product.
Pathogens.

D'Accolti M, Soffritti I, et al. (2023).

Effective elimination of *Candida auris* by a Bacillus-based probiotic cleaning product.
Infection Prevention in Practice.

Davin-Regli A, et al. (2024).

Utilisation de nettoyants probiotiques de surface à base de Bacillus pour la maîtrise du risque infectieux en EHPAD.
Hygiènes.

Dunn RR, Fierer N, et al. (2013).

Home Life: Factors Structuring the Bacterial Diversity found within and between Homes.
PLOS ONE.

Sadekuzzaman M, et al. (2015).

Advanced strategies for combating biofilms.
Comprehensive Reviews in Food Science and Food Safety.

Disclaimer

This guide provides educational information about probiotic cleaning technology. 01 origin products are cleaning products and are not intended to diagnose, treat, cure, or prevent any disease.

Additional Disclaimer – Scientific Data

The figures, results, and scientific data presented in this guide are derived from published studies conducted in professional environments such as hospitals and healthcare facilities. These findings are provided for informational purposes to illustrate the principles of probiotic cleaning. They do not represent performance claims for 01 origin products in a domestic context. The experimental conditions of these studies are specific to controlled professional settings and cannot be directly extrapolated to home use.