



3M

Avagard™

Hand Hygiene Solutions



**The power to
protect patients
is in your hands.**

Are your patients in safe hands?

Hands are one of the most common sources of pathogen transmission, and hand hygiene is widely accepted as one of the most important interventions to help reduce infection risk.¹ Increasing hand hygiene compliance is linked with a significant improvement in patient outcomes.

According to one clinical study,² a 10% improvement in hand hygiene compliance was associated with:



6% reduction
in overall HAIs



197 fewer
infections



22 fewer
deaths



14% reduction
in healthcare-associated *Clostridium difficile* infections (HA-CDIs)*



\$5 million
in overall cost savings



However, adhering to hand hygiene protocols can be difficult for staff. There are numerous barriers to hand hygiene compliance, including:

- **Skin irritation and glove use**^{1,3,4}
- **Workload, intensity of care, staffing and time constraints**^{1,3,4}
- **Time commitment — to achieve 100% compliance, an average of 64 minutes per 12-hour shift would be spent performing hand hygiene**⁵

**Per the Centers for Disease Control and Prevention (CDC), washing hands with non-antimicrobial or antimicrobial soap and water may help to physically remove spores from the surface of contaminated hands.⁶*

1. Allegranzi B, Sax H, Pittet D. Hand hygiene and healthcare system change within multi-modal promotion: a narrative review. *J Hosp Infect.* 2013;83:S3-S10.
2. Sickbert-Bennett E, DiBiase L, Schade Willis T, Wolak E, Weber D, Rutala W. Reduction of Healthcare-Associated Infections by Exceeding High Compliance with Hand Hygiene Practices. *Emerg Infect Dis.* 2016;22(9):1628-1630.
3. Pittet D. Improving adherence to hand hygiene practice: a multidisciplinary approach. *Emerg Infect Dis.* 2001;7(2):234-240.
4. Lytsy B, Melbarde-Kelmer A, Hambraeus A, Liubimova A, Aspevall O. A joint, multilateral approach to improve compliance with hand hygiene in 4 countries within the Baltic region using the World Health Organization's SAVE LIVES: Clean Your Hands model. *Am J Infect Control.* 2016;44(11):1208-1213.
5. Stahmeyer JT, Lutz B, von Lengerke T, Chaberny IF, Krauth C. Hand hygiene in intensive care units: a matter of time? *J Hosp Infect.* 2017;95:338-343.
6. Boyce JM, Pittet D; Healthcare Infection Control Practices Advisory Committee; HICPAC/SHEA/APIC/IDSA Hand Hygiene Task Force. Guideline for Hand Hygiene in Health-Care Settings. Recommendations of the Healthcare Infection Control Practices Advisory Committee and the HICPAC/SHEA/APIC/IDSA Hand Hygiene Task Force. Society for Healthcare Epidemiology of America/Association for Professionals in Infection Control/ Infectious Diseases Society of America. *MMWR Recomm Rep.* 2002;51(RR-16):1-CE4.

A scientific answer to a persistent problem.

At 3M, we understand that hand hygiene solutions need to be simple, effective and gentle. Over the last 10+ years, we've developed and expanded our portfolio of 3M™ Avagard™ Hand Hygiene Solutions to improve your experience and meet your patients' needs.



EFFECTIVE

Fast-acting microbe reduction. 3M's portfolio of hand hygiene solutions help you reduce the risk of HAIs caused by transmission of bacteria from the hands.



GENTLE

Kind to skin. For long days, hand hygiene solutions need to be gentle enough for repeated and frequent use. 3M's portfolio is made without dyes and fragrances and helps maintain skin integrity.



MOISTURIZING

Relief for painful hands. The problem of cracked hands may affect hand hygiene compliance.⁷⁻⁹ 3M offers antibacterial solutions that maintain moisture for more comfortable, prolonged use.⁷⁻¹¹



PERSISTENT

Sustained antimicrobial activity. 3M™ Avagard™ (Chlorhexidine Gluconate 1% Solution and Ethyl Alcohol 61% w/w) Surgical and Healthcare Personnel Hand Antiseptic with Moisturizers is the only hand antiseptic that contains CHG and alcohol, which provides rapid antimicrobial kill and proven cumulative persistence.¹²⁻¹⁵



Gentle on skin. Ruthless on bacteria.

In a survey of

350
healthcare
professionals

32% reported that
products drying
out their hands
was one of the most frequent
barriers to hand hygiene.¹⁶

3M™ Avagard™ surgical and healthcare hand antiseptic and 3M™ Avagard™ D Instant Hand Antiseptic with Moisturizers (61% w/w ethyl alcohol) combat dry hands with cosmetic grade emollients to help prevent dryness, maintain skin integrity and in turn enhance hand hygiene compliance.

Evidence shows that this uniquely moisturizing formula really works. In fact, clinical studies have shown that 3M™ Avagard™ surgical and healthcare hand antiseptic and 3M™ Avagard™ D instant hand antiseptic actually enhanced skin hydration.⁷

7. 3M Data on File. LIMS 7772.

8. 3M Data on File. LIMS 7821.

9. 3M Data on File. LIMS 8303.

10. Deshpande A, Fox J, Wong K, et al. Comparative Antimicrobial Efficacy of Two Hand Sanitizers in Intensive Care Units Common Areas: A Randomized, Controlled Trial. *Infect Control Hosp Epidemiol.* 2018;39(3):267-271.

11. 3M Data on File. LIMS 7771.

12. 3M Data on File. LIMS 7838.

13. 3M Data on File. LIMS 7957.

14. 3M Data on File. LIMS 8250.

15. 3M Data on File. LIMS 8370.

16. Kirk J, Kendall A, Marx JF, et al. Point of care hand hygiene-where's the rub? A survey of US and Canadian health care workers' knowledge, attitudes, and practices. *Am J Infect Control.* 2016;44(10):1095-1101. doi:10.1016/j.ajic.2016.03.005.

A family of products that stand up to bacteria.

The entire family of 3M™ Avagard™ Hand Hygiene Solutions:

- ▶ Proven efficacy
- ▶ Meets hand hygiene guidelines from the Centers for Disease Control and Prevention (CDC), Association of periOperative Registered Nurses (AORN), World Health Organization (WHO) and Infusion Nurses Society (INS)
- ▶ Made without fragrances, dyes and preservatives
- ▶ Contains no paraben
- ▶ Contains no oils, mineral oil or petrolatum
- ▶ Shelf life:
 - 3M™ Avagard™ foaming instant hand antiseptic — 24 Months
 - 3M™ Avagard™ D instant hand antiseptic — 36 Months
 - 3M™ Avagard™ surgical and healthcare hand antiseptic — 24 Months
- ▶ Latex glove and CHG compatible



**3M™ Avagard™
Foaming
Instant
Hand Antiseptic**
(70% v/v ethyl alcohol)
=62.4% w/w



**3M™ Avagard™ D
Instant
Hand Antiseptic
with Moisturizers**
(61% w/w ethyl alcohol)
=68.7% v/v



3M™ Avagard™
(Chlorhexidine Gluconate
1% Solution and
Ethyl Alcohol 61% w/w)
=68.7% v/v
**Surgical and Healthcare
Personnel Hand Antiseptic
with Moisturizers**

Use this chart to help you decide which Avagard™ products will meet your facility's needs.

	3M™ Avagard™ Foaming Instant Hand Antiseptic	3M™ Avagard™ D Instant Hand Antiseptic with Moisturizers	3M™ Avagard™ Surgical and Healthcare Personnel Hand Antiseptic with Moisturizers
EFFECTIVE			
Broad-spectrum activity kills greater than 99.999% of harmful bacteria in 15 seconds (<i>in vitro</i>) ¹⁵	✓	✓	✓
GENTLE			
Dye and fragrance-free, helps maintain skin conditions	✓	✓	✓
MOISTURIZING			
Emollient-enriched formulation		✓	✓
PERSISTENT			
Proven to suppress microbial growth for up to 6 hours, with immediate and sustained activity over time ^{5,17}			✓
FORMULATION TYPE	Foam	Lotion	Lotion



Working with you hand in hand to help reduce the risk of infection.

Encourage healthy habits at every point of care. It's important that clinicians, patients and visitors have access to hand hygiene solutions even in high traffic areas or where wall space is limited. That's why we offer a family of wall brackets, dispensers and floor stands to:

- ▶ Promote clinician and patient safety by using effective hand hygiene products throughout your facility
- ▶ Increase awareness of the importance of hand hygiene, a critical factor to improve compliance to established protocols

Remember the basics of practicing hand hygiene to help remove germs from your hands and protect patients wherever you are.

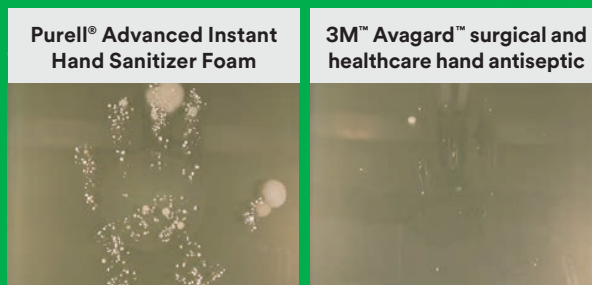
Effectiveness that you can see, inside and outside the OR.

See how 3M™ Avagard™ surgical and healthcare hand antiseptic outperforms the competition in immediate and persistent bacterial suppression.

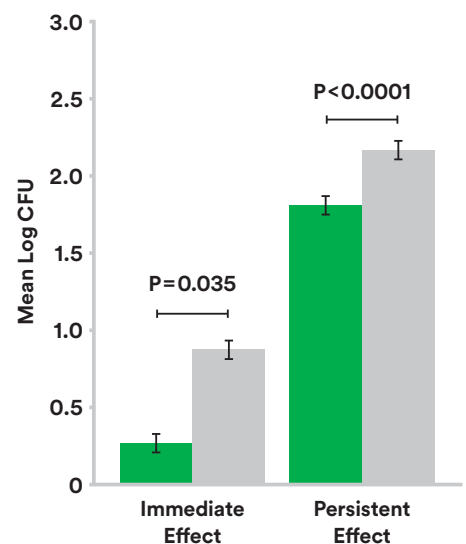
A randomized clinical trial with healthcare workers in the Intensive Care Unit (ICU) measured the efficacy of two antibacterial products. Participants who used 3M™ Avagard™ surgical and healthcare hand antiseptic had significantly lower aerobic bacterial counts, both immediately after use and after spending time in ICU common areas. The hands of healthcare workers who used an alcohol-only product showed significantly greater bacterial regrowth.¹⁰

Inside and outside of the Operating Room (OR) healthcare workers have the opportunity to practice a higher standard of care by using 3M™ Avagard™ surgical and healthcare hand antiseptic, a solution that continues to combat bacteria over time.¹⁰

Both images show bacterial growth, with persistent effect, from a healthcare worker using:



Key: ■ 3M™ Avagard™ surgical and healthcare hand antiseptic
■ Purell® Advanced Instant Hand Sanitizer Foam



Help to reduce the risk of infection is within reach.

At 3M, we want to help you promote a safer environment for staff and patients. 3M™ Avagard™ Hand Hygiene Solutions combine different formulations with a variety of dispensers to enhance hygiene in any setting. Now is the time to act and optimize protocols to help reduce the risk of infection.



3M™ Avagard™
Wall Bracket
9236, 9246
16 ea/case

3M™ Avagard™
Universal
Manual
Wall Dispenser
9241
4 ea/case

3M™ Avagard™
Universal
Hands-Free
Wall Dispenser
9240
4 ea/case

3M™ Avagard™
Wall Bracket with
foot pump (9201A)
or
hand pump (9202)*
10 ea/case (9201A)
1 ea/case (9202)

3M™ Avagard™
Hands-Free
Wall Dispenser
9228
4 ea/case

		Cat ID	Description	Items/ Case					
3M™ Avagard™ Foaming Instant Hand Antiseptic (70% v/v ethyl alcohol)		9320A	50 mL	25					
		9321A	500 mL	12	✓ 9246 Only**				
		9322A	1000 mL	5		✓	✓		
3M™ Avagard™ D Instant Hand Antiseptic with Moisturizers (61% w/w ethyl alcohol)		9221	88 mL	48					
		9222	500 mL	12	✓				
		9230	1000 mL	5		✓	✓		
3M™ Avagard™ (Chlorhexidine Gluconate 1% Solution and Ethyl Alcohol 61% w/w) Surgical and Healthcare Personnel Hand Antiseptic with Moisturizers		9200	500 mL	8				✓	✓
		9216	1200 mL	4				✓	✓
Accessories		9244	3M™ Avagard™ Hand Hygiene Solutions Floor Stand	1				✓	
		9243	3M™ Avagard™ Drip Tray	12				✓	✓
		9229						✓	✓
Other		9204	3M™ Avagard™ Nail Cleaners	150/bx 6 bx/cs				*Hand pump should not be used in OR. Replacement foot pump also available (9203A). **Only compatible with 9246.	



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Visit [3M.com/Avagard](https://www.3m.com/Avagard) to learn more.

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