

# 3M Infection Prevention Solutions



3M™ Avagard™ D

DIN 02242852

**Destroys Bacteria. Not Your Skin.**



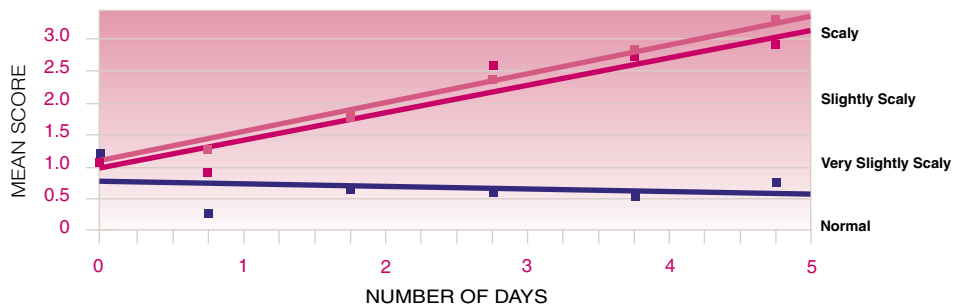
**We can all make a difference.**

# Why you and your hands will love new 3M™ Avagard™ D Instant Hand Antiseptic

## It's the waterless hand antiseptic that feels like a moisturizer

- More moisturizing, less redness, and less skin breakdown with multiple daily uses than Purell® Instant Hand Sanitizer with moisturizers or water alone<sup>1</sup>
- Unique rich emollient base feels smooth on hands
- Chlorhexidine Gluconate (CHG) compatible<sup>1</sup>
- Latex glove compatible<sup>1</sup>
- Doesn't impact glove performance<sup>1</sup>

### 3M™ Avagard™ D Instant Hand Antiseptic is significantly less drying to hands than Purell® Instant Hand Sanitizer with moisturizers or water alone<sup>1</sup>



— 3M™ Avagard™ D Hand Antiseptic  
 — Purell® Sanitizer with moisturizers  
 — Water

A single-blind, bilateral comparison of 40 subjects using 3M™ Avagard™ D Hand Antiseptic and Purell® Sanitizer with moisturizers or water 12 times a day (4 cycles/day of 3 washes each) for 5 days. Hands were evaluated by an expert grader who rated them on a scale of 0 (normal) to 5 (very scaly).

Statistically significant differences were achieved on all days of the study.

## Healthcare professionals who have tried 3M™ Avagard™ D Hand Antiseptic love it!

- *Nine out of ten healthcare professionals preferred 3M™ Avagard™ D antiseptic to their routine hand hygiene regimen\**
- *Use of 3M™ Avagard™ D antiseptic resulted in improved hand skin condition\*\**
- *May increase frequency of hand cleansing/disinfection while decreasing lotion use\**



# Effective antiseptics, without the need for water

## Proven effectiveness

- Comparable efficacy to a traditional hand wash regimen in hospital testing.<sup>1</sup>
- Broad-spectrum activity kills more than 99% of harmful bacteria within 15 seconds\*\*\*<sup>1</sup>
- Effective against MRSA and VRE antibiotic-resistant bacteria\*\*\*<sup>1</sup>

## Fits easily within your health care environment

- Quick and convenient
- Less waste than traditional hand washes\*
- Available in 500-mL pump or 88-mL portable bottle



## Chlorhexidine Gluconate Compatibility

### Chemical Compatibility of Chlorhexidine Gluconate (CHG) with Alcohol Hand Disinfectants.

#### The Importance of CHG Compatibility

One of the most important benefits of using an antimicrobial scrub or hand prep product that contains Chlorhexidine Gluconate (CHG) is that these products provide antimicrobial persistence with multiple uses. This persistent activity keeps bacterial counts on the hands low over time.

Because of this, it is important to consider what other products are being used to moisturize and clean the hands. Many products, including some hand lotions and nearly all gelled hand sanitizers, are incompatible with CHG. Gelled alcohol hand disinfectants may contain polymers or copolymers of polyacrylic acid. Carbomer is the INCI (International Nomenclature of Cosmetic Ingredients) adopted name for polymers of polyacrylic acid (an anionic). These types of anionics have been shown, in the following tests, to react with CHG to form an insoluble salt. It has been well established in the literature that when Chlorhexidine is converted, wholly or partly, to an insoluble salt by reaction with an excipient or with hard water, a loss of antibacterial action is to be expected<sup>2</sup>.

## Alcohol Levels and How They Are Expressed, w/w or v/v

“The antimicrobial activity of alcohols can be attributed to their ability to denature proteins (destroy microbes). Alcohol solutions containing 60% - 90% alcohol are most effective, and higher concentrations are less potent because proteins are not denatured easily in the absence of water. The alcohol content of solutions may be expressed as percent by weight (w/w), which is not affected by temperature or other variables, or as percent by volume (vol/vol), which can be affected by temperature, specific gravity, and reaction concentration. For example, 70% alcohol by weight is equivalent to 76.8% by volume if prepared at 15°C, or 80.5% if prepared at 25°C. Alcohol concentrations in antiseptic hand rubs are often expressed as percent by volume.”<sup>3</sup>

# 3M™ Avagard™ D Instant Hand Antiseptic Application Instructions

## Disinfect your hands, for yourself and your patients



1

Hands to be free of any visible debris.

2

Apply sufficient amount to thoroughly cover hands and nails

3

Rub hands together, covering entire surface, including nails. Rub until dry.

### Ordering information

#### 3M™ Avagard™ D Instant Hand Antiseptic with Moisturizers

Catalog No.	Size	Items/Case
9221C	personal size	48/case
3M™ Avagard™ D Instant Hand Antiseptic	88 mL (3 oz.)	
9222C	pump bottle	12/case
3M™ Avagard™ D Instant Hand Antiseptic	500 mL (16.9 oz.)	
9224C		
Bracket for		
3M™ Avagard™ D Instant Hand Antiseptic pump bottle (#9222C)		6/case

**3M™ Avagard™ D Warnings:** For external use only. Flammable, keep away from fire or flame. Avoid contact with eyes and mucous membranes. If contact with eyes occurs, flush promptly and thoroughly with water. If swallowed contact a poison control center. Keep out of reach of children. Discontinue use if irritation develops.

**NOTE:** 3M™ Avagard™ D instant hand antiseptic should be applied to skin that is not soiled with dirt or organic material. For more information, contact your local 3M representative or call: 1-800-3M-Helps (1 800 364-3577)

### Directions for Use Only For - Food Plant and Other Industrial Use<sup>4, 5</sup>:

- Health Canada approval for use without a water rinse by non-food handling personnel or by other personnel when not engaged in food processing.
- Health Canada approval for use by employees handling food as long as after application protective gloves are worn by employees while handling food in the plant and that any contamination of food with the product is avoided.
- Health Canada approval for use by employees handling food with bare hands in food plants only with a potable water rinse, to rinse off the emollients before handling food directly.

#### For more information about 3M Health Care Products:

- Contact your local 3M sales representative
- Call 3M Health Care: 1 800 563-2921
- Visit our 3M Health Care products web site: <http://www.3M.com/CA/IP>



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- \* Self-assessment data from Centers of Excellence evaluations. Total of 118 evaluators.
- \*\* Assessed by an expert in an in-hospital evaluation.
- \*\*\* Based on in vitro testing on specific strains.

#### References

- <sup>1</sup> Data on file, 3M Health Care.
- <sup>2</sup> Senior N., Some observations on the formulation and properties of Chlorhexidine, J. Soc. Chem. 24, 259-278 (1973).
- <sup>3</sup> CDC – Centers for Disease Control and Prevention. Recommendations and Reports (2002, October). Guideline for Hand Hygiene in Health-Care Settings . Vol. 51/No. RR-16, pg. 8.
- <sup>4</sup> [www.inspection.gc.ca/english/ppc/reference/v2e.shtml](http://www.inspection.gc.ca/english/ppc/reference/v2e.shtml)
- <sup>5</sup> Health Canada approval September 9, 2003 on file.

Shelf life is two years.

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