





**germcontrol** shown on optional portable table stand.

## from our users . . .

*"We have been using the Germcontrol Sanitation System in the operating room as well as before treating patients. Because of its no touch features, we have found this to be a very effective and useful system for hand hygiene. We certainly recommend the system to others who may benefit from it. If any further information is required, please feel free to contact us here at the Lasky Clinic."*

- Frank M. Kamer, M.D.  
Beverly Hills, CA

*"I was privileged recently to test a Soaptronic disinfectant machine at our dermatologic office in Lexington, Ky. I was worried about using such a machine, because, as a dermatologist dealing daily with all types of hand eczema and rashes, I thought that such a product would dry the hands excessively. I'm happy to report that not only did the unit not aggravate rashes, but it actually seemed to leave our hands softer after using it. We loved your unit, and you may feel free to use this note."*

- Joseph P. Bark, M.D., CEO  
Author: *Your Skin: An Owner's Guide*, 1992

## what is **Germstar**® . . .

**Germstar**® is a non-allergenic, hospital-strength hand sanitizer that kills 99.99% of the most common disease causing germs on the spot. As an alcohol based self-evaporating solution, it enables hand sanitizing without the need for water, soap and towels.

Although **Germstar**® is based on alcohol, the skin remains smooth and silky. This is attributable to two factors:

- **Germstar**® evaporates and leaves the skin's natural oils behind.
- **Germstar**® contains a unique blend of special ingredients that protect the skin and restore moisture.



**Germstar** instant sprays and refill cartridges shown above.

## how **Germstar**® works . . .

The active ingredient in **Germstar**® is isopropyl alcohol. When this alcohol comes in contact with germs, it denatures the molecular structure of cell proteins and effectively kills them. The alcohol then evaporates and the special emollients remain on your skin leaving it moisturized, soft and germfree.

While **Germstar**® does not have any residual killing effect once the alcohol has evaporated, it takes several hours (assuming no contact with an infected area) for the reestablishment of the resident skin flora.

## **Germstar**® antimicrobial spectrum . . .

**Germstar**® has been extensively tested in-vitro as well as in-vivo against a broad spectrum of disease-causing germs such as:

- HIV, Noro-like viruses, SARS-like viruses, Hepatitis
- E-Coli, Salmonella, Staphylococci
- etc.

For more information please consult Soaptronic's extensive portfolio of test results and certificates.

## hand-sanitation 101 . . .

In general, we are faced with two different groups of bacteria on our hands - those that we pick up, and those that are already in or on our skin. In microbiology these are appropriately termed **transient** and **resident skin flora**.

While it is important to kill both groups, transient germs are usually more dangerous. This is primarily due to the fact that our bodies are already immune to the germs we carry regularly on our skin, but not necessarily to the ones we may have just picked up. Therefore, an effective sanitizer has to be extremely powerful in dealing with transient flora; and reasonably strong in eliminating resident flora to prevent us from transmitting our own germs to others.

To evaluate the effectiveness of **Germstar** in killing both groups of germs, laboratory counts of colonies on the hands before and after use of **Germstar** are required.

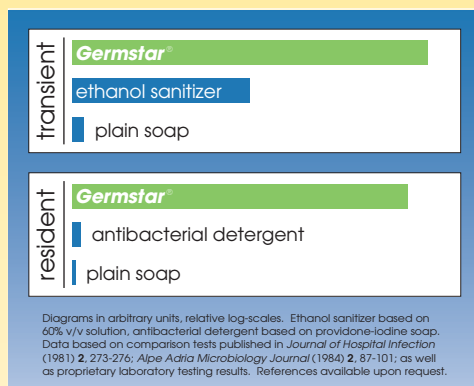
This establishes the following facts:

### **Germstar** and transient germs

- The efficacy of **Germstar** in reducing transient hand flora is in excess of **99.99%**.
- This puts **Germstar**'s killing efficiency with respect to transient germs at more than **double** the efficiency of popular off-the-shelf products that are based on 60% to 65% ethyl alcohol.

### **Germstar** and resident germs

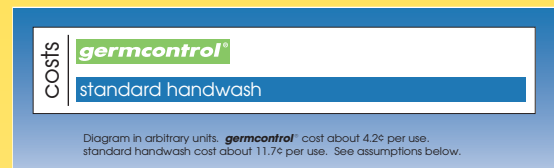
- The efficacy of **Germstar** in reducing the release of resident skin bacteria is in excess of **99.6%**.
- Based on this number, **Germstar**'s resident germ killing ability is about **30-50 times** more powerful than common antibacterial soaps and detergents, and more than **100 times** more powerful than plain soap.



The data above are summarized at left. - One can clearly see the superior power of **Germstar**.

## is **germcontrol** a value . . .

Costs associated with an activity, e.g. hand washing, are always of concern - especially when costs attributable to personnel are included. The following calculation illustrates typical savings achievable with **germcontrol**.



Sanitizing with **germcontrol** saves about 60% compared to standard handwashing.

### Assumptions:

- Employee pay-rate: \$10.00/hour
- Solution Costs:
  - Antimicrobial Soap: 1/8 oz/use at \$13.00/gal = 1.3¢
  - Germstar**: 1 ml/use at \$24.00/1000 ml = 2.4¢
- Towel Costs:
  - 2 towels/use at \$35.00/4000 pieces = 3¢
  - (note: most people use 3-4 towels)
- Water:
  - ~ 10 sec of open faucet = .5¢
- Time:
  - Handwash: avg. 25 sec at \$10.00/hour = 6.9¢
  - germcontrol**: ~ 6.5 sec at \$10.00/hour = 1.8¢
  - (note: realistically, employee can walk to next assignment right away, thereby eliminating costs associated with drying time)

There are also substantial savings on disposal costs associated with waste water and towels, especially on airplanes or ships, as well as mitigated environmental concerns.

These figures are in addition to significant savings arising from increased productivity due to reduced absenteeism.

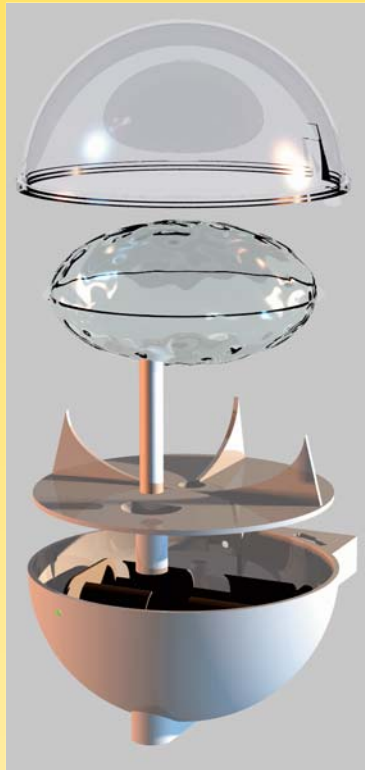
Deploying the **germcontrol** system can, thus, generate savings in excess of 60% compared to the cost of standard handwashing procedures.

## where **germcontrol** . . .

To maximize the effectiveness of the **germcontrol** system, it is important to place units at various locations throughout the home, office, or facility. This will minimize the amount of surfaces being touched prior to sanitizing the hands and limit the potential for cross-infection. In medical facilities, separate units should be placed near all patient care areas to facilitate sanitizing between patient contacts or when changing gloves, etc.

## germcontrol® essentials . . .

- touchless dispensing of hand sanitizers
- assurance of a sealed cartridge - you control its opening just before insertion into the dispenser
- directly dispensed from an airtight self-collapsing cartridge - sanitizer never comes in contact with dispenser parts or outside air
- patented gravity assisted dispensing system with magnetic valve
- adjustable volume of dispensed liquid sanitizer
- spherical shape suppresses accumulation of dust-born microorganisms near the outlet and provide error-free dispensing with one or both hands
- space-age electronic circuitry conserves power and guarantees error-free operation
- battery operation provides placement flexibility
- transparent housing and clear cartridge permit immediate monitoring of solution level
- intermittent green LED indicates operation and dispensing of solution, constant red LED signals the need for a battery change
- quick and easy maintenance
- elegant high tech styling increases user fascination with the touchless operation of the system, which encourages frequent use and regular hand sanitizing



## germcontrol® specifications . . .

- infrared/heat-activated sensor with daylight filter
- dispensing amount adjustable from 0.3 to 6 ml
- operates on 4 D-size batteries - battery lifetime about one year or 25-30 thousand activations at 1 ml (when using recommended alkaline batteries)
- 1 liter solution capacity
- modular construction
- available: wall mountable (optional mirror/tile bracket), portable (on table or floor stand)
- overall dimensions - 7.125" (w), 7.125" (h), D 7.5" (d)
- weight - 2 lbs (without solution and batteries)
- warranty - 3 year limited warranty on materials and workmanship

## order information . . .

To order a touchless sanitation system, please contact your local representative/distributor listed below, or call toll free 800-327-2606 for a list of local contacts.

- **germcontrol® sanitation system**
  - single dispenser p/n 12101
  - starter kit p/n 70001
    - 1 dispenser, 1 refill of **Germstar®** hand sanitizer (1 liter)
- **Germstar® instant hand sanitizer**
  - mini pack 2 refills of **Germstar®** hand sanitizer (1 liter) p/n 20052
  - maxi pack 6 refills of **Germstar®** hand sanitizer (1 liter) p/n 20056
  - 2 oz spray 25 **Germstar®** spray bottles (2 fl oz) p/n 90010
  - 8 oz spray 12 **Germstar®** spray bottles (8 fl oz) p/n 90030
- **soaptronic® stands**
  - portable table stand p/n 80011
  - floor stand p/n 80021

For more information about additional Soaptronic products, please consult relevant literature or contact your local distributor or representative.

Your Soaptronic Distributor or Representative:

**soaptronic®**  
26834 Vista Terrace  
Lake Forest, CA 92630

800-327-2606  
www.soaptronic.com

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