

Frequently Asked Questions

1. What is Synergys?

Synergys is a two-part sporicidal disinfectant system and offers the fastest kill time, 2 minutes, against *C. difficile* and many other pathogens. It is ideal for the healthcare industry. Part A is a concentrated, hydrogen-peroxide based disinfectant and Part B contains a wintergreen fragrance and surfactants. The wintergreen fragrance replaces the traditional vinegar fragrance of peracetic acid and leaves the area smelling fresh and clean. The surfactants provide additional cleaning power and product stability. The two parts are blended together with water in the Synergys dilution control system, creating a RTU peroxide based disinfectant effective against *C. diff* with a fresh wintergreen fragrance and improved cleaning efficiency.

2. Why should we use Synergys?

Synergys offers your facility a higher level of protection against healthcare acquired infections. It kills *C. diff* spores in only 2-minutes. It is also effective against 50 other pathogens. It is a non-bleach formula and is safe to use on many types of surfaces.

3. How does Synergys kill the *C. diff* spore?

Synergys works by coating the outside of the endospore, or the hard shell around the spore, with peroxyacetic acid. Peroxyacetic acid disrupts the endospore allowing hydrogen peroxide to kill the internal organism.

4. Is Synergys safe to use?

Yes, handling the concentrate requires basic safety training, but once it is connected to the closed loop Synergys Disinfection System, it removes chemical exposure to your staff. The concentrate is automatically diluted at the correct dilution (32:1 ratio) ensuring proper chemical usage and eliminating the chance of using too much concentrate (extra cost) or not enough concentrate (reduced efficacy).

5. How can you ensure the proper dilution?

Synergys bottles are equipped with an engineered metering tip to dilute the proper amount of concentrate with water as it is dispensed. A new metering tip in each bottle ensures proper dilution. Other dispensing systems require the tip to be replaced from time to time, and dilution performance degrades over time.

6. How do you use Synergys?

A closed bucket system with SSS NexGen microfiber cloths or SSS Peritex Disposable Wipes is recommended. Microfiber cloths or wipes should be placed in a clean bucket with the proper amount of diluted Synergys to saturate the cloths or wipes. For each 12"x12" cloth use 2 ounces of Synergys, for each 16"x16" cloth use 3 ounces, and for each 40 pack roll or pack of Peritex use 28 oz. Allow 15 minutes for the cloth/wipes to fully saturate, before commencing cleaning and disinfecting.

7. Why is Synergys better than bleach?

Synergys has faster kill times than bleach and is compatible with more types of surfaces. Bleach requires surfaces to remain wet for 5-10 minutes to be effective depending on the level of sodium hypochlorite. After the contact time, the surface must then be rinsed with clean water to remove the bleach residue. Bleach will stain or corrode material or equipment. Bleach offers no detergency for cleaning. Surfaces must be pre-cleaned, disinfected with bleach, and then rinsed (3-step process). Synergys will not stain, corrode or leave damaging residue on material or equipment.

8. Why are there two parts?

The high peracetic acid and hydrogen peroxide content of Synergys would be too harsh for any surfactant/fragrance. The two ingredients would break down the surfactant and fragrance over 2-3 days and result in a cloudy solution with NO detectable mint fragrance.

9. How much does a case of Synergys yield?

Synergys dilutes at 32:1. A case will yield 34 gallons or 136 quarts/case (same as Perisept).

10. Is the Composition/Information of Ingredients on the Synergys Part A label the same as Perisept?

Yes, it has the same active ingredients: peroxyacetic acid, 5.9%, and hydrogen peroxide, 27.3%.

11. What are the ingredients of Part B?

Part B contains the wintergreen fragrance, surfactant, water, and pH adjuster. The high level of surfactants offers enhanced cleaning ability.

12. Is the composition the same for ready to use?

The RTU contains fragrance and surfactants.

13. Did any of the efficacy change or get updated?

Yes. SynerSYS has all the claims of Perisep plus it kills TB. See the Efficacy Data for details.

14. Is a pre-clean step required for known C. diff cases?

Yes. Although SynerSYS is a very good cleaner, the EPA requires a pre-clean step for any product for use as a sporicide against *Clostridium difficile* spores on visibly soiled surfaces. SynerSYS can be used as the cleaner in the pre-clean step so you only need one product to clean and disinfectant. For more information please see:

<https://www.epa.gov/pesticide-registration/methods-and-guidance-testing-efficacy-antimicrobial-products-against-spores>

15. Will SynerSYS Part A still form crystals on top of the insert?

Due to the nature of the product, crystallization is inevitable. See the document "How to Remove Crystallization from the top of SynerSYS SDC Bottle (Part A)"

16. Can floors be cleaned with SynerSYS?

Yes, due to the level of surfactant in Part B, a fresh water rinse will be required if you use SynerSYS to mop the floor.

17. How do you store SynerSYS?

SynerSYS needs to be placed in a cool, well ventilated area at floor level. SynerSYS Part A should not be stored above this product is an oxidizer which requires dispersal. The special caps on SynerSYS allow the product to vent.

18. What is the shelf life of SynerSYS?

In the concentrated form SynerSYS is good for 1 year. When mixed with water and diluted, SynerSYS has a shelf life of 24 hours. Like quaternary based disinfectants, a fresh solution should be prepared before daily use, or when solution becomes visibly dirty.

19. Is SynerSYS available in ready-to-use formulation?

SynerSYS is only available in a concentrate and is optimized for use with the closed loop SynerSYS Disinfection System. The SynerSYS Disinfection System offers closed loop dispensing and minimizes contact with the concentrate. The high 1:32 dilution rate offers customers a lower end-use cost making it affordable for use as a daily cleaner. Standardizing to one disinfectant cleaner reduces training challenges, potential confusion, as well as, the number of chemicals stored in the supply closet.

20. Will SynerSYS damage surfaces?

Unlike bleach, SynerSYS is compatible with many types of surfaces including finished floors, aluminum, chrome, glass, laminated surfaces, stainless steel and more. A complete list of compatible surfaces can be found on the [SynerSYS Surface & Material Compatibility](#) document.

21. How much does SynerSYS cost?

SynerSYS is a very cost competitive solution to reduce HAI's in healthcare facilities. Please contact your local Triple S distributor for cost-in-use information. To find your local distributor, visit www.triple-s.com/distributors.

22. Is SynerSYS on EPA List N Registered Antimicrobial Products for Use Against Novel Coronavirus?

Yes, the EPA recommends following the disinfection directions and preparation for norovirus with a contact time of just 2 minutes. Making it one of the fastest kill times offered against SARS-CoV-2.