

Product Model
DS1001 DS1002



Hydrogen Peroxide Sterilizer

BIOTEKECORPORATION

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Hydrogen Peroxide Sterilizer

The disinfectant is sprayed out in the form of nano micron liquid globules and kills bacterial spore (6log) in every corner.

Functions:

This product is specially used for disinfection of space that has microbial limits, and can kill various microorganisms directly, such as bacteria, fungus and virus etc.

Applications:

Suitable for places that need regular disinfection and sterilization, such as bio-safety laboratories, GMP workshops, infectious disease wards, schools, hospitals, food enterprises and research institutes, etc.



Product Highlights

1. This product sprays out disinfectant in the form of nano micron liquid globules, the size of which are controlled in a precise and consistent level, thus reducing liquid condensate. It ensures that places that are comparatively complex and hard to access are disinfected;
2. It can effectively reach almost every corner of disinfection area;
3. High disinfection efficiency: can kill *Bacillus subtilis* var. *niger* to the efficiency of 6log;
4. Rapid disinfection: the whole disinfection process takes only 1-2 hours;
5. Little corrosion, non-toxic and a wide range of applications, a perfect alternative of traditional space disinfection methods;
6. Complete validation data (residue verification, compatibility compliance) are available for certification;
7. Flexible to use and easy to operate, this product is compact in design and easy to move, suitable for places that have limits on microorganism.



Product Model
DS1001 / DS1002
Capacity DS1001 2.5L
DS1002 5L

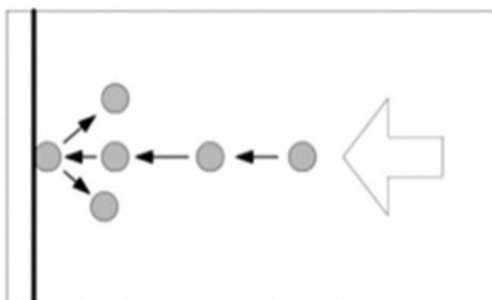
Working Principle

This product disinfects by spreading nano micron liquid globules into areas that needs disinfection. When the average diameter of droplet is below $10\mu\text{m}$, the sprayed-out nano micron liquid globules can be called “dry”: globules will bounce off walls instead of breaking up and dampening the surface. All conditions come together to ensure that disinfectant are permeated effectively into special area in the form of nano micron globules. This attribute determines that globules can permeate into areas that are usually unreachable.

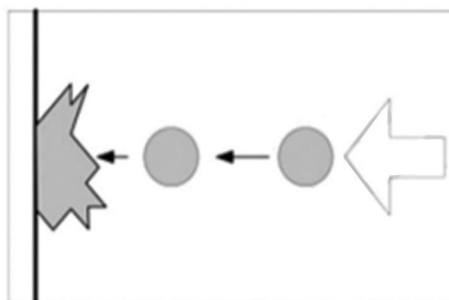
The attributes of nano micron liquid globules are as follows:

- 1.Nano micron liquid globules motions randomly (Brownian Motion) and will not fall down;
- 2.Nano micron liquid globules will not condensate into larger droplets;
- 3.Globules will bounce off walls instead of breaking up and dampening the surface;

To sum up, all these attributes of nano micron liquid globules make it possible to effectively disinfect areas that are usually unreachable.



Globules will bounce off walls and will not break up



Large droplets will break up and dampen and adhere to surface.