



## TRIOSYN T-3000™

with Antimicrobial Product Protection

Life science technology  
that provides reliable  
respiratory protection

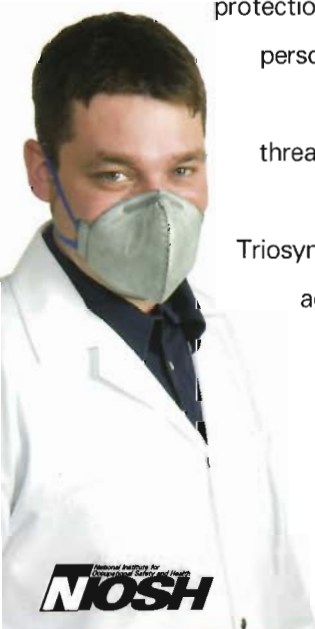


### THE NEXT GENERATION OF DISPOSABLE PARTICULATE RESPIRATORS

The Triosyn T-3000™ Respirators provide front-line protection for police officers, homeland defense personnel, and other emergency and rescue responders against viral and bacterial threats with the most advanced particulate barrier available. The proven ability of Triosyn T-3000™ Respirators to trap biological agents is maintained throughout the life of the product by the antimicrobial action of Triosyn® T50 Powder, which protects the filtration media from microbial deterioration.

#### Key features:

- **NIOSH Approved P95** Particulate Respirator: TC-84A-4109
- **Antimicrobial product protection**
- **Consistent and reliable** performance
- **Carbon layer** for relief against nuisance levels of organic vapors
- **Fluid-resistant** outer layer
- **Secure, comfortable fit** with padding, adjustable nose bridge and low breathing resistance
- **Flatfold design** allows for easy storage
- **Affordable & easy to use**



### Innovative Antimicrobial Technologies

Founded in 1992, Triosyn Corp. has developed a unique antimicrobial technology that can be deployed in a variety of products either to protect against microbial threats or to prevent microbial degradation of articles. Triosyn technology has been tested by third-party military, commercial, and academic laboratories throughout the world.

#### TRIOSYN CORP.

Headquarters  
1191 South Brownell Road  
Williston, VT 05495-7415  
USA

Tel: (866) 865-5084  
Fax: (802) 658-2681  
info@triosyn.com

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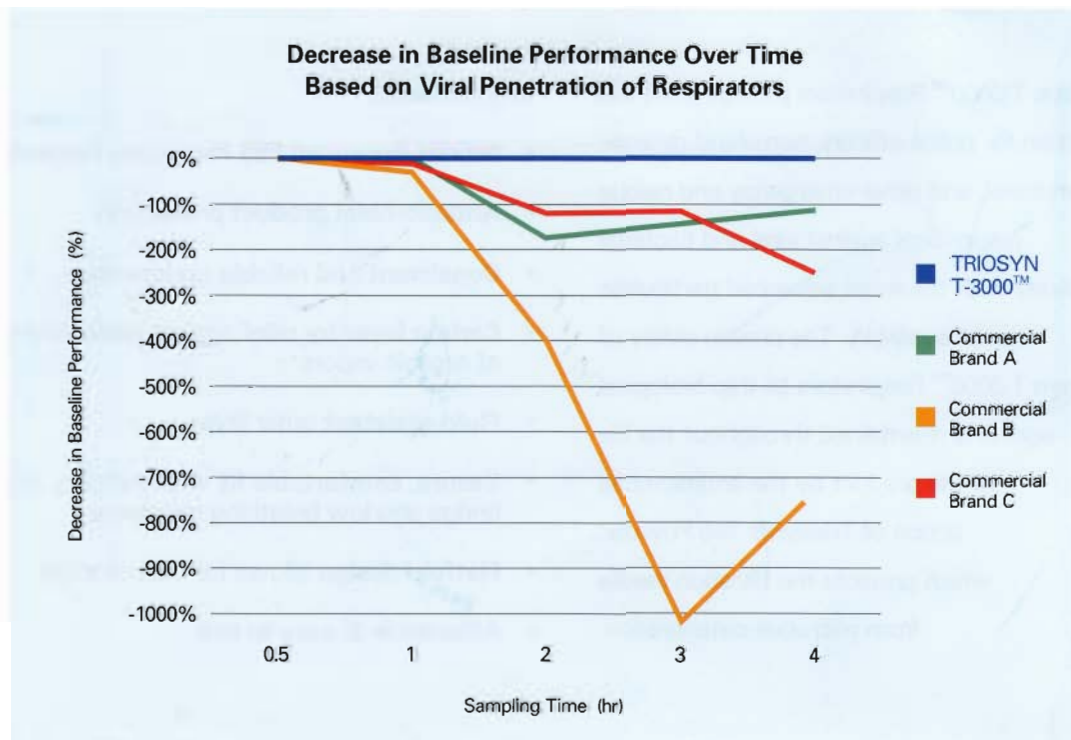


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**WHEN YOU WANT CONSISTENT AND RELIABLE PERFORMANCE,  
YOU WANT THE TRIOSYN T-3000™ RESPIRATOR.**

Not all respirators provide the same level of performance hour after hour of use. When subjected to bioaerosols, the performance of most respirators degrades significantly over time. Unlike other respirators, the antimicrobial action of Triosyn® T50 Powder guards against microbial degradation of the Triosyn T-3000™ Respirator filtration media to ensure consistent and reliable performance.

In comparison tests, the Triosyn T-3000™ Respirator and three other commercially available respirator models with a 95% filter efficiency rating were challenged with a bioaerosol of MS2 coliphage, a bacterial virus with approximately the same aerosol characteristics as a human virus, to evaluate viral particle penetration. As illustrated in the graph below, the performance of respirators without the antimicrobial product protection of Triosyn® T50 Powder degrades significantly over time. Notably, the performance of the Triosyn T-3000™ Respirator, with antimicrobial product protection, is maintained over time.



This graph shows the decrease in performance based on the viral penetration of the samples tested relative to the first sampling point at 30 minutes. All samples were tested against MS2 coliphage with an air flow rate that is equivalent to 85 liters per minute for a full-sized respirator (250 cm<sup>3</sup>) and in an environment of approximately 21°C and 50% humidity. The tests were conducted for a period of four hours with samples taken at 30 minutes, 1, 2, 3, and 4 hours.