

Biosan ActivLiner

THE NATURAL ANTIMICROBIAL SOLUTION

Biosan ActivLiner is a triple action product for the containment, disinfection and deodorisation of feminine hygiene waste. The Biosan ActivLiner immediately provides a pleasant, fresh fragrance and emits natural anti-microbial vapours to eradicate microorganisms in the waste unit. (e.g. Sanitary bin or PPE disposal unit).

Unlike other anti-microbial liners based on silver ion technology that work only via direct contact, the active biocidal vapours produced by the Biosan ActivLiner permeate the surface of waste without contact, eradicating pathogens and preventing odours developing at source.

This method of control delivers a pleasant and safe washroom experience for both users and service personnel, maintaining high standards of hygiene.



HOW DOES THE BIOSAN TECHNOLOGY WORK?

The Biosan ActivLiner incorporates our natural Biosan technology with recycled plastic to provide the first efficacious vapour-phase antimicrobial liner on the market.

The active components are based on a unique blend of volatile, natural plant extracts.

The first noticeable effect is the immediate fragrance action which creates a pleasant aroma in the waste unit and surrounding room.

The natural anti-microbial vapours then permeate the whole unit and continue to be effective even when the waste unit is full.

This provides effective deodorisation and disinfection of waste units for up to 4 weeks, up to 30% longer than most available products.

The totally dry system has been specifically developed to release the natural germicide in a controlled manner to ensure effectiveness throughout the duration of the service.

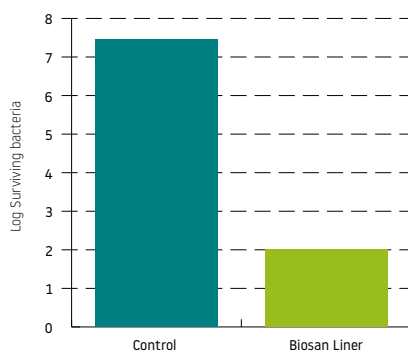
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TESTING ACCORDING TO BS EN STANDARD DISINFECTANT METHODS

The Biosan ActivLiner has been tested and passes the following Standard disinfectant methods:

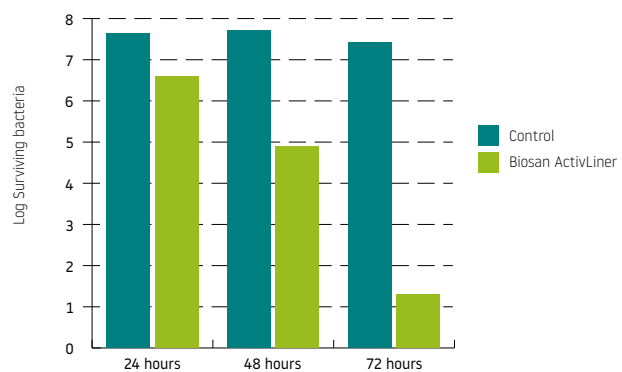
- » BS EN ISO 21702:2019- Measurement of antiviral activity on plastics and other non-porous surfaces
- » BS EN ISO 22196:2011 – measurement of antibacterial activity of treated plastics and other nonporous surfaces of products

TO ANTIMICROBIAL EFFICACY ACCORDING TO ISO 22196



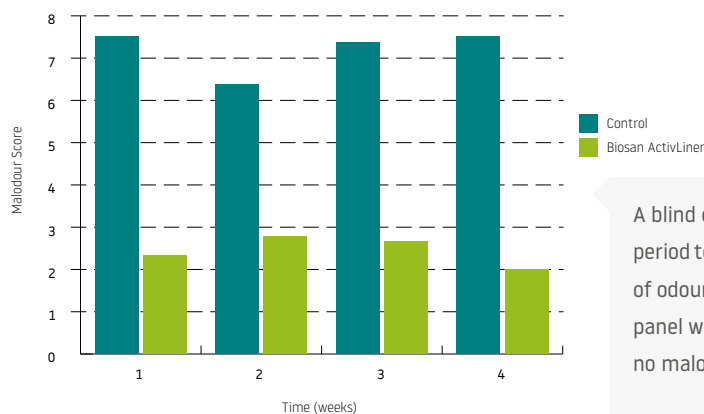
Testing in accordance with ISO 22196 standard method, demonstrates that the Biosan ActivLiner delivers a 5-log reduction in Bacteria.

VAPOUR-PHASE ANTIMICROBIAL ACTIVITY



The Biosan ActivLiner Vapour provides a 5 log reduction in bacteria after 72hrs, bringing the level of bacteria below an infectious dose, compared to a control standard sanitary bin liner, which provided no reduction in bacterial numbers over this time period.

ODOUR PANEL RESULTS



A blind odour panel test took place over a 4-week period to determine the products efficacy in terms of odour control across a typical service cycle. The panel were asked to score the odour, with 1 being no malodour, and 10 being strong malodour.

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HOW IS THE BIOSAN ACTIVLINER DIFFERENT FROM OTHER FEMININE HYGIENE UNIT LINERS?

- » Traditional plastic bin liners contain the waste, but do not prevent the propagation of pathogens or malodours inside the bag.
- » Fragranced bin liners offer short term masking of fragrance, but do nothing to prevent malodours at source and as waste builds up in the unit, odours quickly overpower the fragrance.
- » Anti-microbial bin liners based on Silver Ion technology only work through direct contact with the microorganism and so pathogens and odour causing bacteria are still able to grow inside the waste unit and on its surfaces, posing a biohazard to users and service personnel.
- » The Biosan ActivLiner is an innovative triple action technology, effectively containing the waste and offering a pleasant fragrance, while the controlled release of active vapours permeates the area inside the waste unit, eradicating pathogens throughout.

	Fragrance	Odour control at source	Anti-Bacterial	Anti-viral	Vapour Phase anti microbial action
Traditional Liner	✗	✗	✗	✗	✗
Fragranced liner	✓	✗	✗	✗	✗
Anti-microbial silver-ion	✓	✗	✓	✗	✗
Biosan	✓	✓	✓	✓	✓

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FEATURES AND BENEFITS

- » Actively deodorises and protects for a minimum of 4 weeks
- » Product testing demonstrates high level of efficacy against pathogenic bacteria and Viruses (providing up to a 5-log reduction in bacteria)
- » Active ingredient proven to be effective against all enveloped viruses including SARS-CoV-2 (COVID-19) Hep B, Hep C, Herpesviridae and HIV
- » Highly effective odour control working through the unique vapour action
- » Pleasant natural fragrance released to the surrounding room
- » Active ingredient made from unique plant extract formula
- » Made using recycled plastic.
- » Reputation Management – Prevents bad odours at source and avoids incurring costs for early bin collection due to customer complaints.
- » Environmentally responsible – Provides optimal performance with a minimal impact on the environment through the use of natural substances and recycled plastic.
- » 18µm film, reducing plastic consumption
- » Economical – Simple dosing system means no risk of cost overruns through product overdosing; 1 liner will control malodours at source for 4 weeks.
- » Regulatory compliance - Fully compliant with EU Biocides Regulation 528/2012 (EU BPR)

CONTACT US



ACTIVE INGREDIENT
INDEPENDENTLY
TESTED & VERIFIED
TO BE EFFECTIVE
AGAINST COVID-19