

A photograph of a hospital room. In the foreground, there are vertical pleated curtains, the left half of which is dark blue and the right half is light grey. To the right, a hospital bed with a white frame and blue accents is visible. The bed has a blue pillow and a teal blanket. A small vase with purple flowers sits on a table next to the bed. A window with sheer white curtains is in the background, letting in bright light.

**Bancroft**  
SOFT FURNISHINGS

## **BI-OME** ANTIMICROBIAL TEXTILE FINISH FOR HEALTHCARE ENVIRONMENTS

Fights against the spread of bacteria, fungus & viruses

## BANCROFT HEALTHCARE & ANTIBAC

At Bancroft we design collections specifically for the Healthcare Sector, to suit Hospital, Nursing & Care Home environments. We use our distinctive know-how & expertise to carefully curate designs & colourways that have a positive influence on patient well-being. From fresh & uplifting prints & plains to decorative jacquards our healthcare fabrics boast robust technical properties for the most demanding environments.

However we realise now more than ever that it's not only about the aesthetic value, it is imperative for our customers to be able to purchase fabric for their projects that they can trust to offer added protection that **fights against the spread of bacteria, fungus & viruses**. Our customers want to be confident that when specifying fabric for curtains, bedding & upholstery they can get another layer of protection to inhibit virus spread & cross contamination.

**With this in mind we offer the option of applying Bi-ome Antimicrobial Technology Textile Finish to our fabrics, providing extra protection & reassurance.**

# BI-OME

## ANTIMICROBIAL TECHNOLOGY

- A trusted product, offering a combination of antimicrobial & viral reducing technology
- Offers a reduction of possible malodour & bacterial build up
- Permanent & wash-durable
- Sustainable, non-migrating/non-leaching metal-free technology
- Can be applied to different fabric types
- No skin irritation (Oeko-tex class 1)
- Bi-ome is recyclable & inherent biodegradable OECD 209/302B)
- No negative effect on waste treatment
- BPR EU (PT2, PT7, PT9) and TR registered
- EPA registered product

The background of the entire slide is a repeating pattern of botanical illustrations on a light beige fabric. The illustrations include various plants with blue and brown flowers, green leaves, and stems. The pattern is slightly offset in the horizontal and vertical directions, creating a layered effect.

## HOW IT WORKS

The active ingredient in BI-OME is bound to the surface of the fabric, it attracts the micro-organism & then mechanically punctures the cell wall

- BI-OME binds to the product surface
- It is not consumed by micro-organisms
- Will not cause adaptive micro-organisms
- Is wash durable





## THE BENEFITS OF BI-OME

- BI-OME keeps fabrics fresher for longer, they requires less laundering offering a reduction in water consumption
- Fabrics can be washed at a lower temperature, they do not need to be washed at 71° in order to achieve thermal disinfection, the anti-microbial finish actively kills viruses from first application
- Fabrics can be wiped clean
- There is no metal leakage into the environment
- Does not affect the natural drape & handle of the fabric



## TEST METHODS

- ASTM E-2149
  - Antimicrobial test
  - For non-migrating technologies
  - Devan is an IAC certified lab
- NF ISO 18184 (2014) and ISO 18184 (2019)  
Determination of antiviral activity of textile products
  - external lab testing only

## TEST RESULTS

- Standard formulations of BI-OME AM5 or BI-OME AM10 can show +99% reduction in microorganisms within 1h or less
  - After washing BI-OME formulations can still obtain 99% reduction after 24h
  - Longer lasting clean and fresh feeling/effect
  - Tests carried out by l'Institut Pasteur de Lille
- Reduction (%) vs untreated Number of industrial laundry cycles 1 25 50  
Bacteria 90,00% 100% 87,56% Yeast & Fungus 99,99% 99,87% 100%



# Bancroft

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