

# Field Testing of BactiBarrier Application using Bromophenol Blue



## Purpose and Scope:

This test is used to detect the presence of BactiBarrier Antimicrobial on substrates in the field.

## Overview:

A solution of Bromophenol Blue (BPB), which is a staining agent, is placed on the subject substrate. In the presence of BactiBarrier, the BPB becomes fixed to the substrate. The BPB resists coming off the substrate when rinsed with water. Surfaces not treated with BactiBarrier will not retain the stain. The resulting stain is compared to a printed color standard for a pass or fail judgement depending on color intensity.

## Note:

BPB will stain many surfaces, whether treated with BactiBarrier or not. Best test surfaces are hard, smooth surfaces such as tile, painted metal, or laminate. Always try to do the testing in an inconspicuous place, and/or pretest a very small area.

## Materials Required:

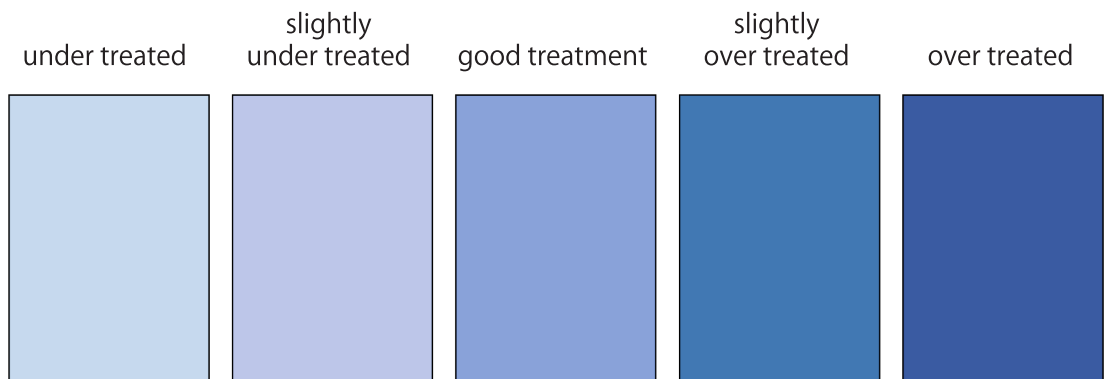
BPB solutions 0.05%  
Dropper bottle or measuring cup  
Disposable droppers or swabs  
Spray bottle for water rinse  
BactiBarrier Detergent/Disinfectant  
Towels or rags to clean up excess

## Substrate:

The best surfaces to test are hard, smooth surfaces that water will normally run off, without being absorbed. Tile, painted metal, and laminated materials work very well. Lighter colored test materials are easier to see the variation in shading from the BPB application.

## Procedure:

1. Determine appropriate test substrate.
2. Make sure that rinse water will not be able to run to another surface and stain.
3. Apply BPB solution to surface with disposable dropper or swab. Four to five drops is sufficient.
4. Rinse BPB solution off of substrate with spray bottle. Untreated surface will easily rinse away. Treated surface will not have bind the BPB solution and stain.
5. Stained surface can then be compared to color chart to give pass/fail judgement on level of application.
6. BactiBarrier Detergent can be used to remove stain from tested surfaces.



## BactiBarrier

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