



22 October 1999

Aquastar, Inc.  
8425 W. 3<sup>rd</sup> St., Suite 310  
Los Angeles, CA 90048

Attn: Dan Blom

Ref: ABI8991479: Starfiber testing:

Dear Mr. Blom:

At the request of Aquastar, Inc., Applied Biogenics, Inc. (ABI) compared the ability of Aquastar's "Starfiber" microfiber cleaning cloth to cleaning methods using detergent or disinfectant. The test results are described below.

Three identical surfaces -- window ledges at ABI's offices -- were wiped with Aquastar and water, with a conventional cloth and detergent, and with a sponge and disinfectant. A fourth window ledge was left untreated. Cleaning involved a single pass over each surface.

After cleaning, the ledges were sampled with sterile cotton swabs. One swab from each cleaned surface, and from the untreated surface, were used to seed conventional bacterial culture dishes. A beef-extract based agar was used as the nutrient. This media will grow a wide variety of microorganisms. Duplicate samples were prepared.

After seeding, the dishes were incubated at room temperature for three days, but growth was seen after only 30 hours. The growth was observed only on the dish that had not been washed. This indicates that the Aquastar product was effective at removing all microorganisms from the window ledge. The detergent and disinfectant treated surfaces also failed to produce bacterial growth. Refer to the following table for details:

Sample	Percent Bacterial Removal	Comment
Untreated	None	Two or more varieties of bacteria identified by culture
Starfiber Cloth	100%	No colonies
Chlorine detergent	100%	Rinsing required to clean
Disinfectant	100%	Surface saturation needed

The Aquastar product achieved removal of all microorganisms on the test surface without the need to rinse detergent residues and without the need to saturate surfaces with disinfectant. ABI concludes that it meets the manufacturer claims as represented to us.

Very truly yours,

Jay L. Stern  
Applied Biogenics, Inc.

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