Interface®

Artemis Biosolutions Case Study School Carpet

Clean with purpose

Design with Purpose

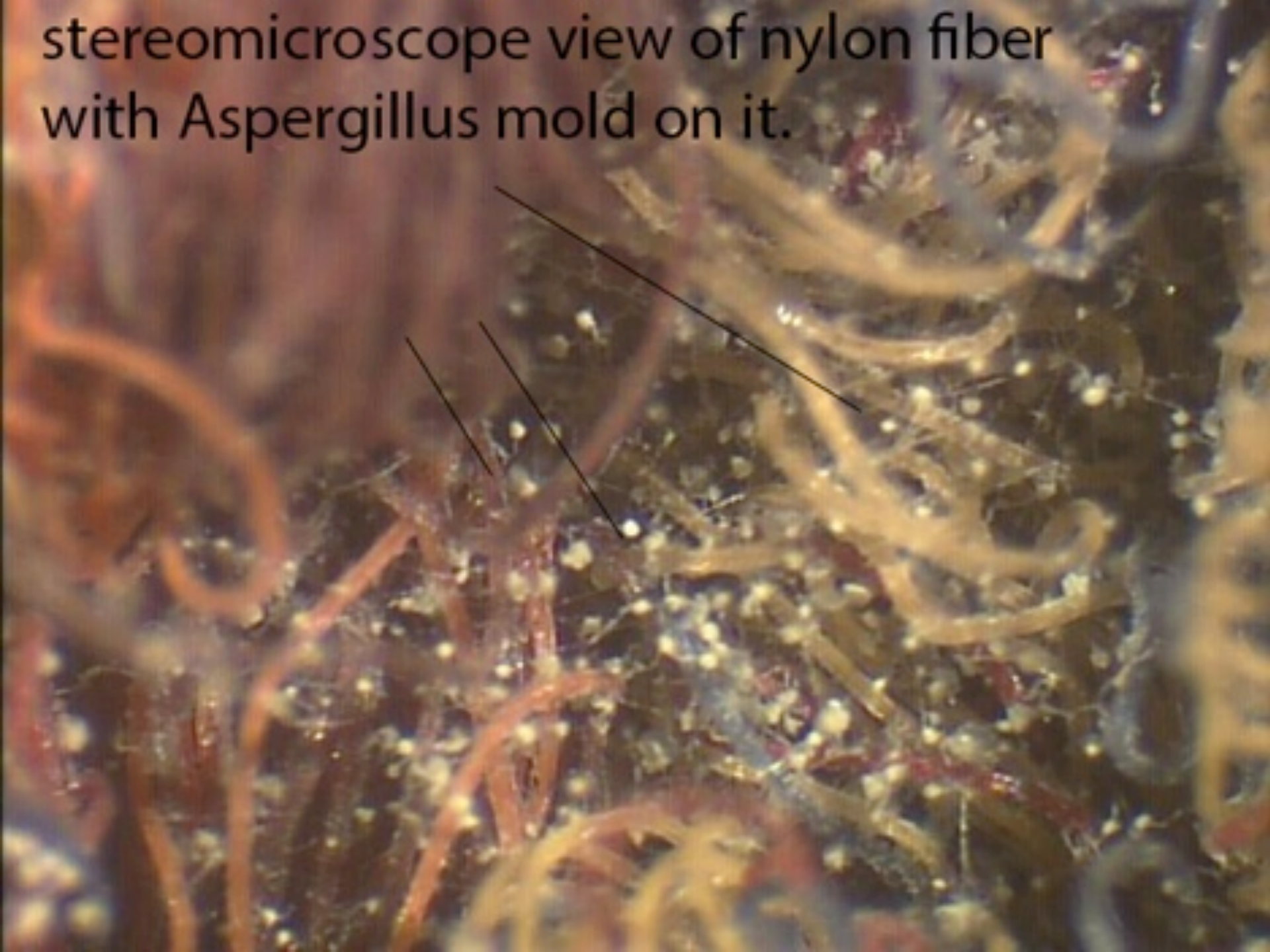
Case Study Summary

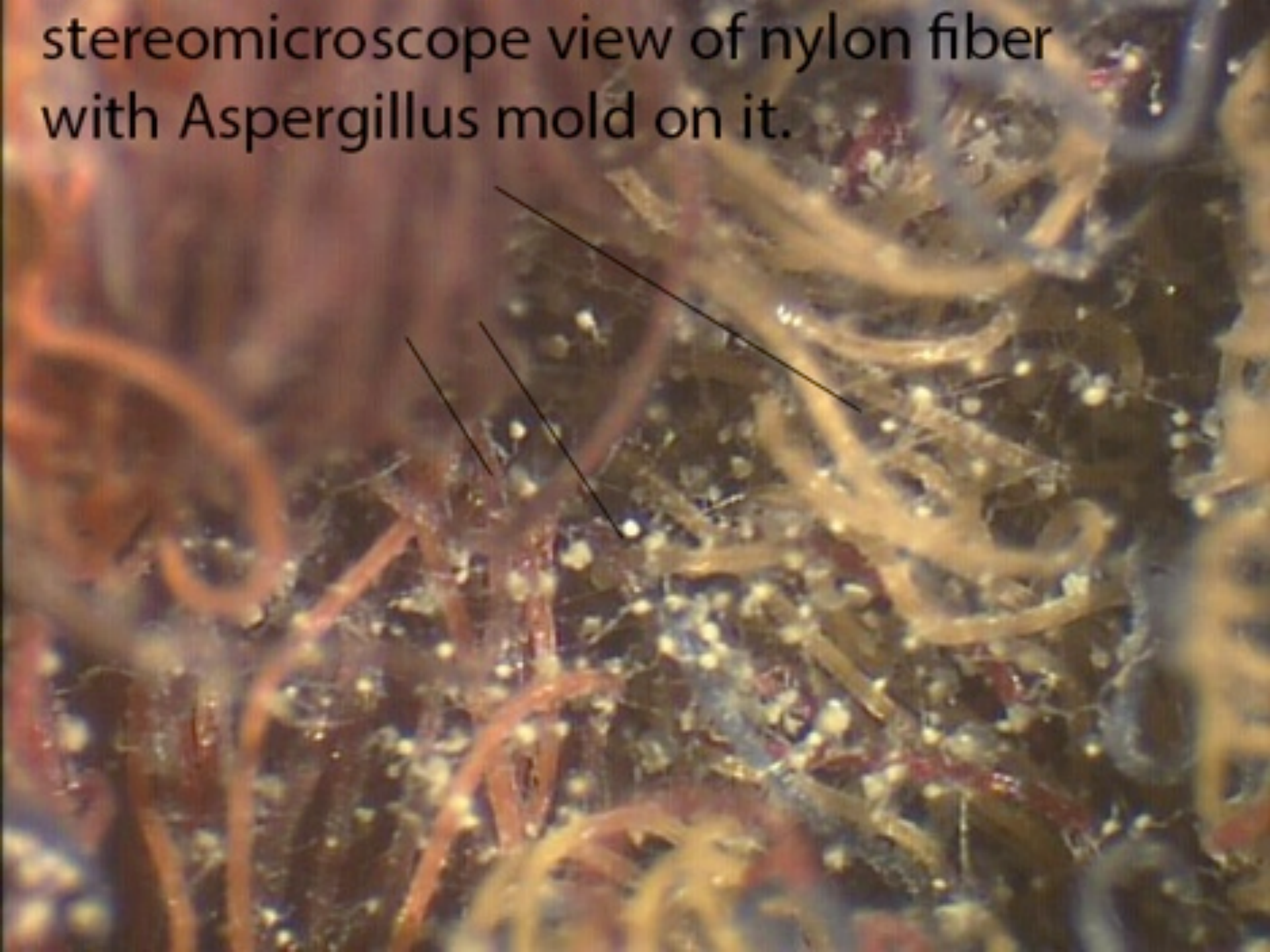
- An Interface modular tile was presented to Interface Microbiology Services
- The tile was from an independent school system in the mid-west
- The tile had patches of darkened stains

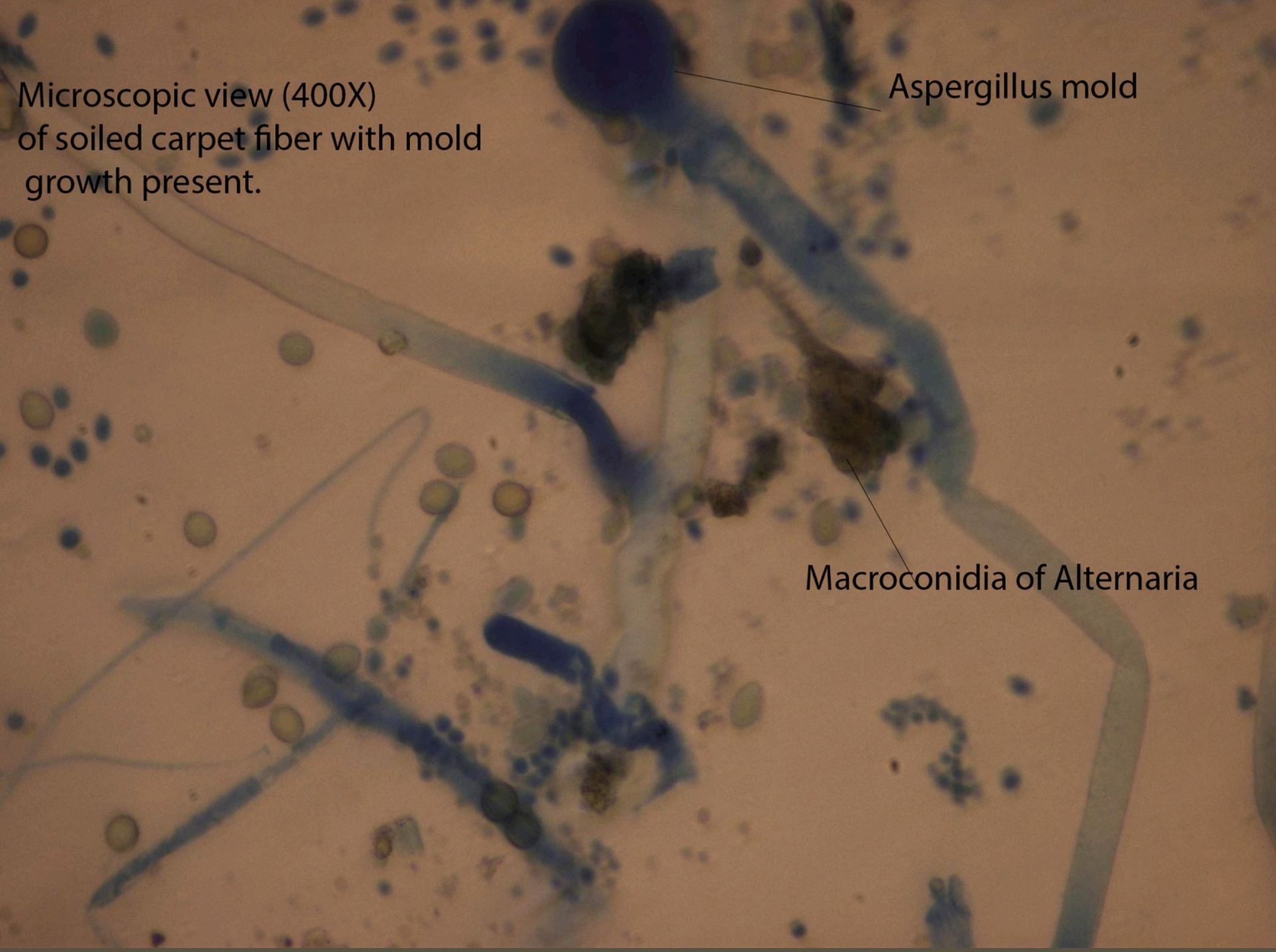
Case Study Summary Cont.

- The tile had a matted soiled appearance
- The tile also had a musty smell
- This presentation summarizes corrective and restorative steps to document effective removal of mold on carpet
- The study also documents the sustained biostatic properties of Intersept coupled with sanitizing maintenance

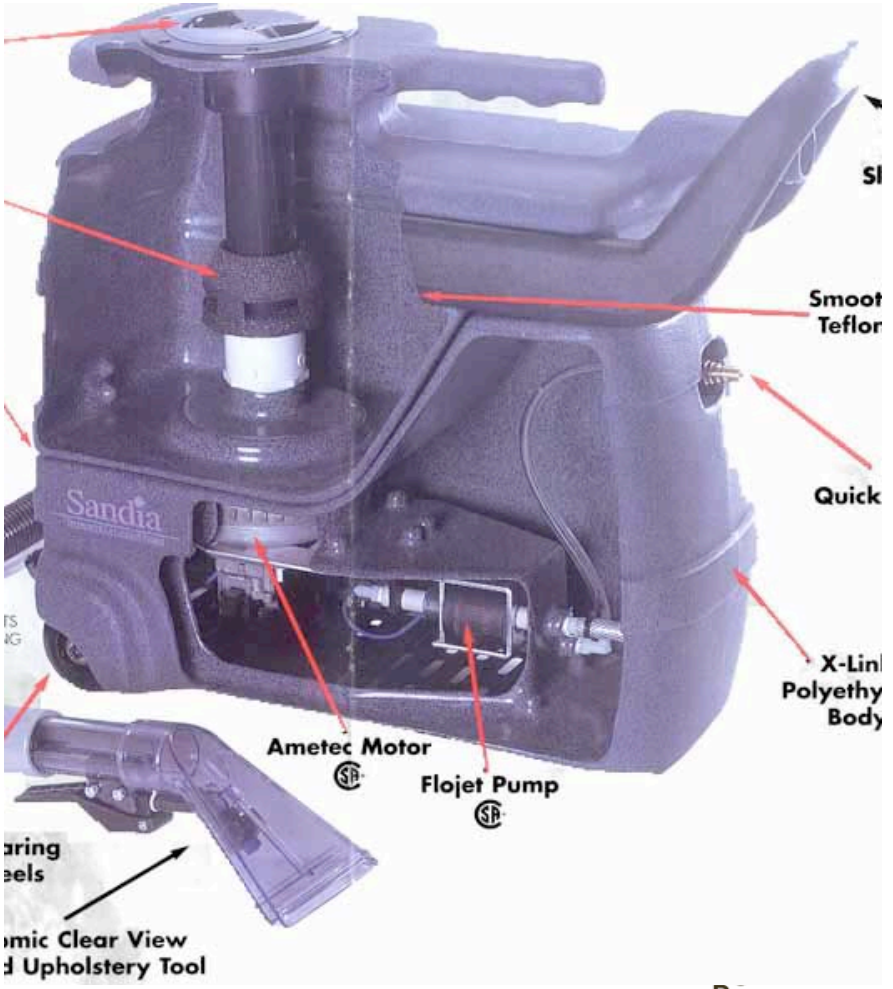
Soiled carpet developed patches of mold


stereomicroscope view of nylon fiber
with Aspergillus mold on it.


stereomicroscope view of nylon fiber
with Aspergillus mold on it.


Microscopic view (400X)
of soiled carpet fiber with mold
growth present.
Aspergillus mold
Macroconidia of Alternaria

Sandia 3 gallon extractor



Interface®

Interface Process for Biocontaminant Removal and Inactivation

- Carpet was pre-spotted with Artemis Biosolutions Carpet (50:50 side A and side B) , brush agitated into the pile, allowed to stand 15 minutes
- A dual motor-3 gallon extractor (Sandia) was used to vacuum extract soil and biocontaminants from the carpet
- The extractor used diluted Artemis Biosolutions product at 2 oz per gallon each (Side A and Side B)

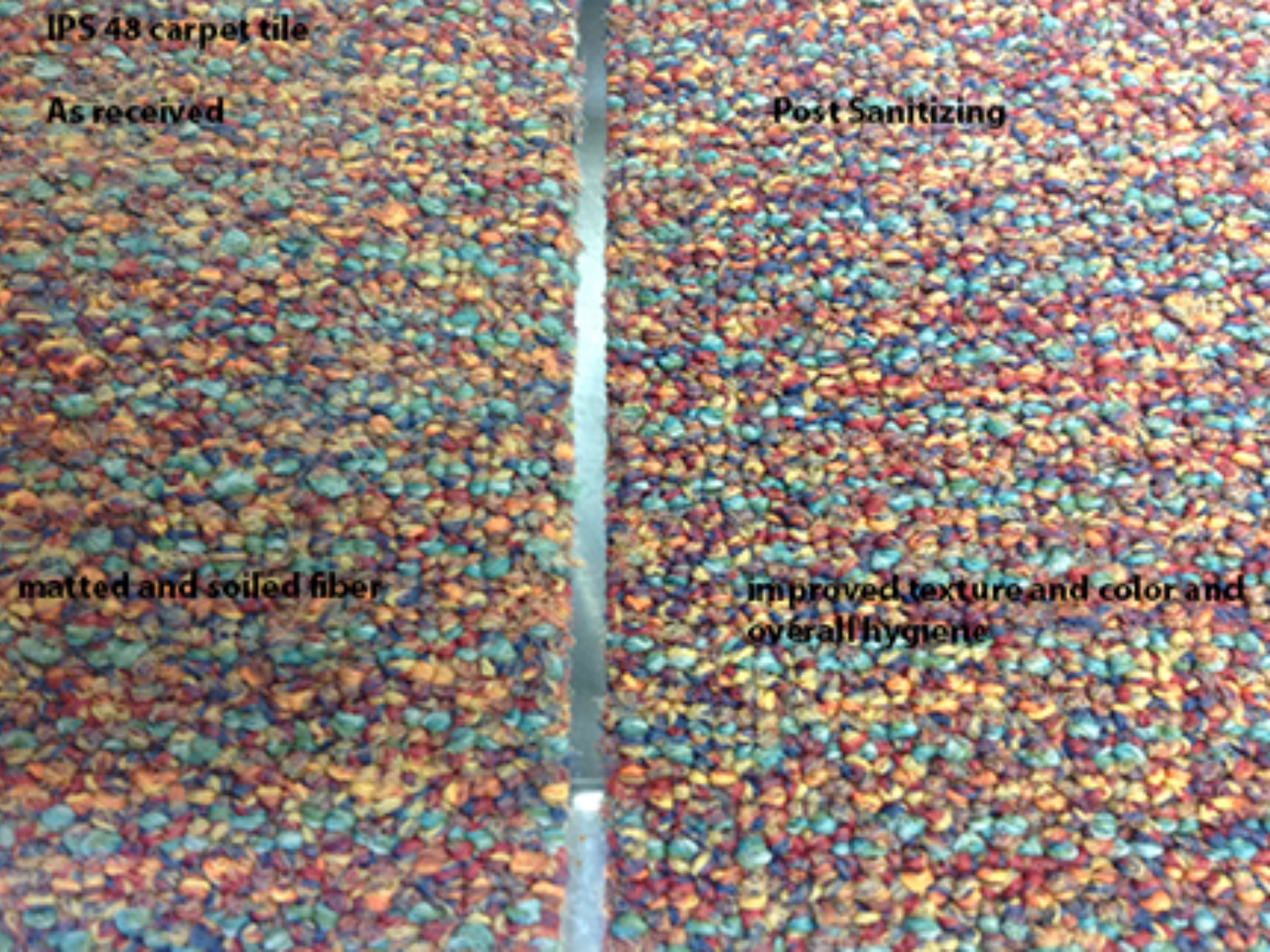
- The pre-spotting and extraction procedure was repeated twice with extra vacuum only passes to remove residual moisture
- Carpet was allowed to air dry 24 hours prior to any further processing


ARTEMIS
BIO-SOLUTIONS
BIO-OXYGEN
CARPET PART A
CLEANS-REMOVES STAINS-DEODORIZES
Removes Dirt, Grime, Mildew Stains, Pet Stains, Bio Film Buildup
Neutralizes Pet, Fire, Cigarette and Smoke Odors
KEEP OUT OF THE REACH OF CHILDREN
CAUTION
ARTEMIS
BIO-SOLUTIONS
BIO-OXYGEN
CARPET PART B
KEEP OUT OF THE REACH OF CHILDREN
CAUTION

Spot Extraction Sandia 3 Gallon Extractor

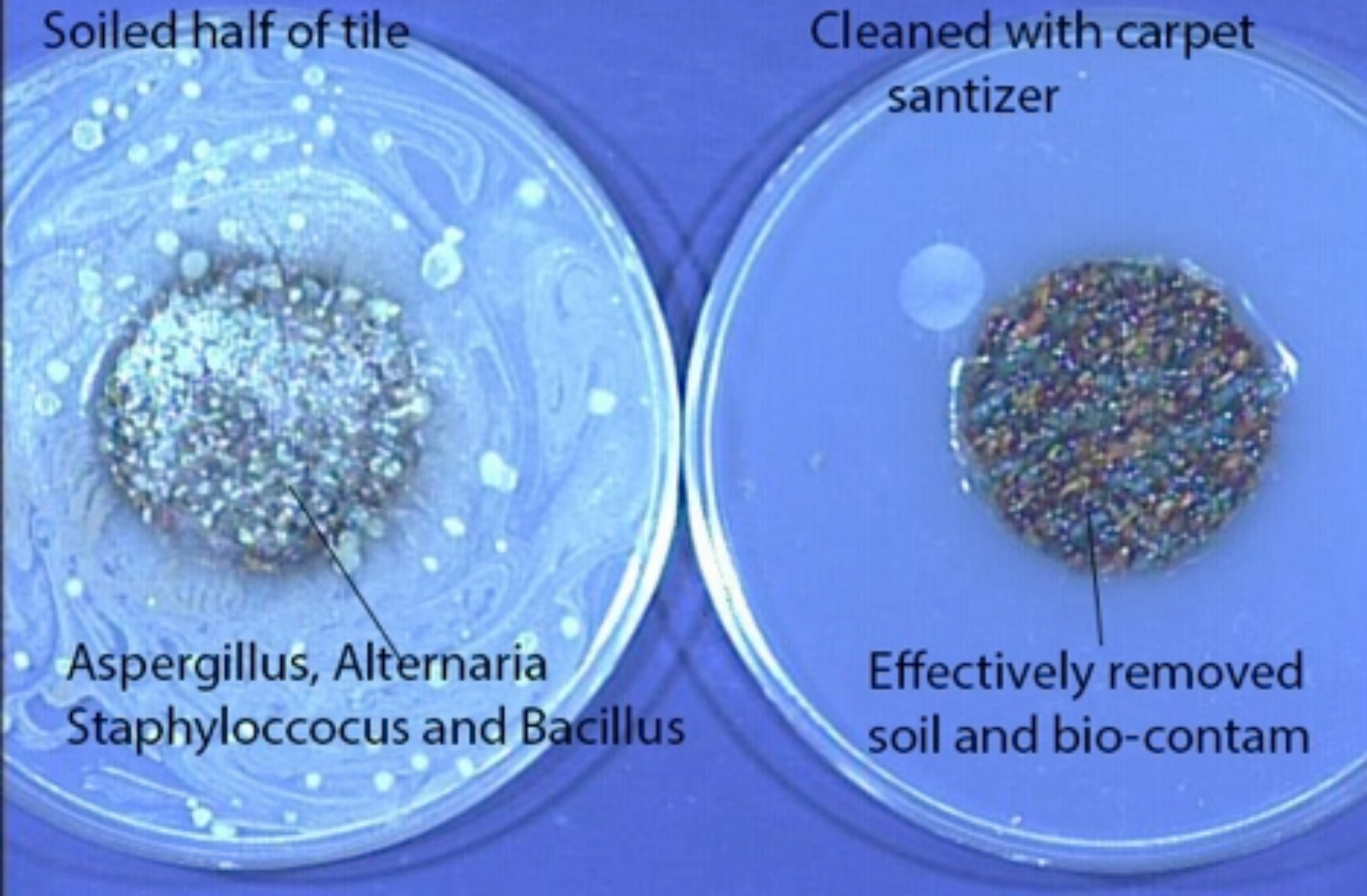
Appearance of extraction recovery water from 1/2 IPS 48 carpet tile


EXIT
Soil from 1/2 carpet tile from IPS 48
RIGHT TO KNOW
UNDERSTANDING MATERIAL SAFETY DATA SHEETS
Colgate

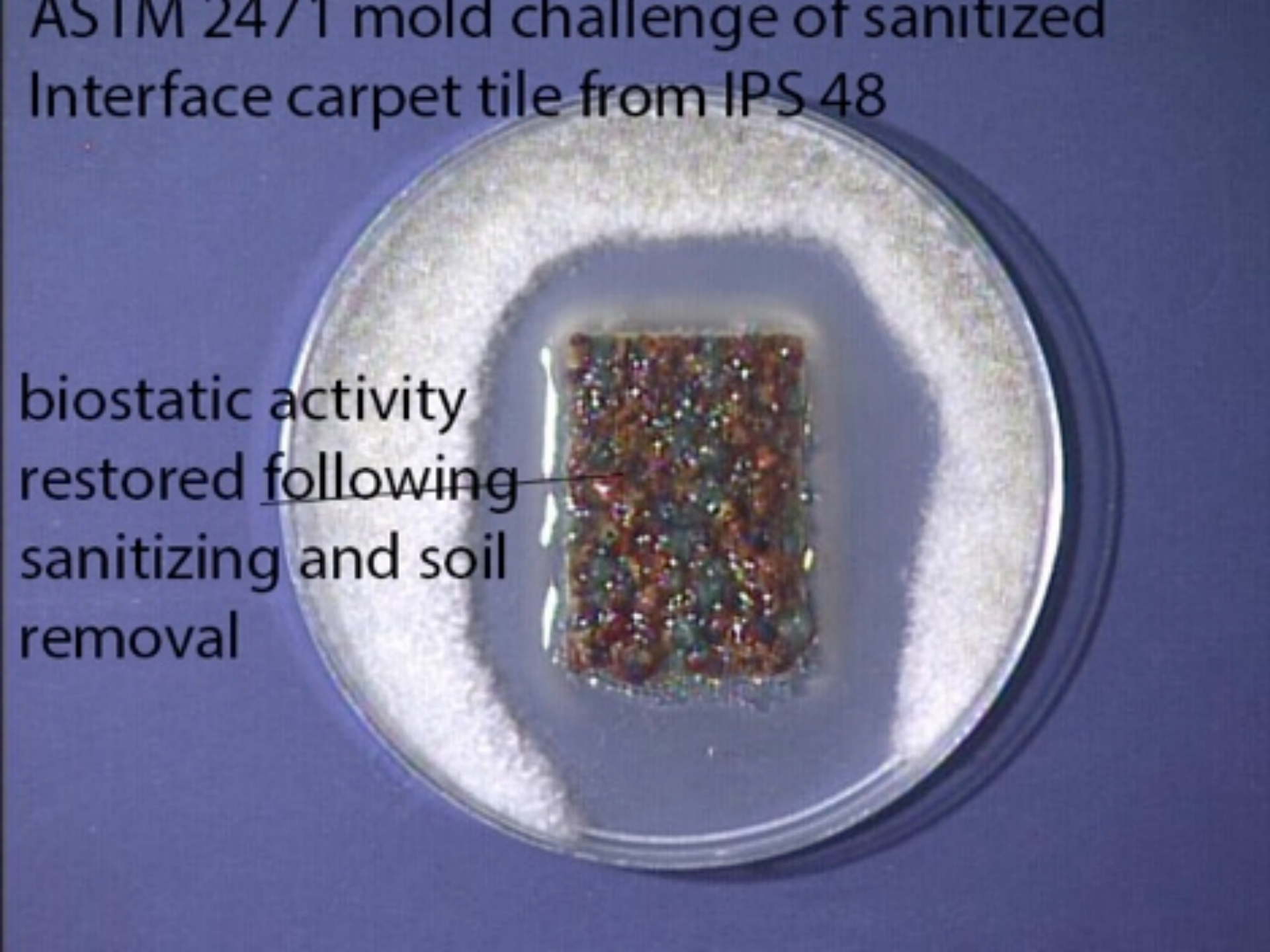

IPS 48 carpet tile
As received
matted and soiled fiber
Post Sanitizing
improved texture and color and overall hygiene

The IPS 48 carpet fiber was cleaner and mold free after the sanitizing procedure with Artemis Biosolutions Carpet

Post-santizing culture of IPS 48 carpet



ASTM 2471 mold challenge of sanitized Interface carpet tile from IPS 48



3 C’s of effective sanitizing

- Use the right Chemistry
- Use the right Concentration
- Allow adequate Contact Time

Protecting Appearance and Sanitizing

- Soiled carpet harbors mold spores
- Routine vacuuming will remove particulates including spores
- Intersept biostat inhibits mold between cleanings
- Use of Artemis Biosolution Carpet effectively cleaned and removed biocontaminants and soil
- If faced with soiled musty carpet…

–It's what we would use……..