



# TEST REPORT

## High Performance Mop

Test item: Bacteria pick-up rate (microorganisms)  
Report no.: DL-171208-2  
Test date: 04.12/08.12.2017  
Issue date: 08.12.2017

### High Performance Mop



**FX-25-80**  
**FX-30-95**  
**FX-40-110**  
**FX-60-145**

For test result please see next page



# TEST RESULT

## High Performance Mop

Pick-up rate (%)	Before washing: <b>99.7 %</b> After washing (50 times): <b>99.8%</b>
Test bacteria	Staphylococcus aureus ATCC 6538 (microorganisms). Exists in e.g. kitchens, on kitchen utensils, in foodstuffs and dairy products. Causes: vomit, food poisoning and diarrhea.
Art. no.	FX-25-80 FX-30-95 FX-40-110 FX-60-145

**Before wipe:**



**After wipe:**



Calculation of the mop's capacity to pick up bacteria and microorganisms:

$$\text{Pick-up rate} = [(M_b - M_c) / M_b] \times 100$$

$M_b$  = Average of the number of bacteria on the test surface before pick-up.  
(The amount of bacteria which was spread on the surface)

$M_c$  = Average of the number of bacteria on the test surface after pick-up.  
(The amount of bacteria on the surface after the wipe)



# TEST METHOD

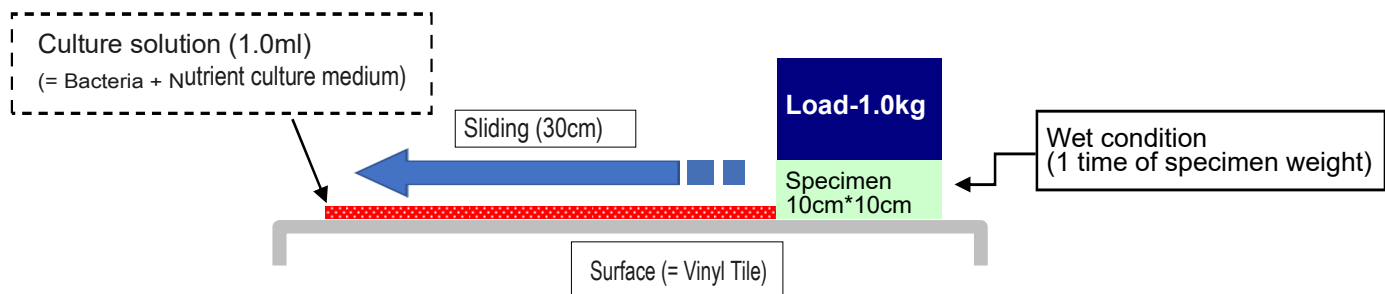
## High Performance Mop



### Test conditions:

Amount of water	1 time of specimen weight
Load weight	1 kg
Surface	Vinyl tile (wax coated)
Sliding range	30 cm
Washing condition	Household washing machine, 60 °C Weak alkali detergent 0,2% Washing times: 50 times

### Illustration of the test method:



### CONCLUSION

**High Performance Mop has a documented pickup of microorganisms of min. 99.8%.**

The test result is based on test with bacteria within the group of microorganisms, where viruses also are included as a part of this group because of their sizes.

When microfiber product's ability to pick up microorganisms is tested, the size of the test object is pivotal. Thus, it is not important whether the microorganism is a bacterium or a virus. Microfiber does not distinguish between the types of microorganisms when they pick them up. Microfiber's ability to pick up microorganisms varies from product to product.

The tests are always conducted with bacteria within the art of microorganisms because of two reasons:

- 1) Bacteria constitute the most extensive health risk because they multiply and evolve with time. Viruses disappear after a certain amount of hours.
- 2) Bacteria are more safe to use in tests and they are more accessible as test objects.