

# OVERVIEW OF MICROBIOLOGY LABORATORY CAPABILITIES<sup>+</sup>

Tested at Swissatest Microbiology Laboratory

Type of test	standard / device	removal of microorganisms				antimicrobial action			microbial load		
		bacterial removal	mold / yeast removal	virus removal	biofilm removal	bactericidal / bacteriostatic	fungicidal / levuricidal / fungistatic	antiadhesive action	bacteria / yeast	mold	mold / bacteria growth
Testing of disinfectants/detergents according to different standards and guidelines (DIN EN, NSF, RKI, VAH)						☺	☺				
	DIN EN 1040					☺					
	DIN EN 1275						☺				
	DIN EN 1650						☺				
	DIN EN 1276					☺					
	DIN EN 13697					☺	☺				
Hygiene performance of a specific cycle/detergent in situ with bioindicators (IEC, DIN, Swissatest protocols)		☺	☺	☺							
	Washing machines	☺	☺	☺							
	Tumble-dryers	☺	☺	☺							
	Dishwashers	☺	☺	☺							
Laundry disinfection (VAH, Swissatest protocols)		☺	☺	☺					☺	☺	
Assessment and comparison of washing machines in terms of biofilm formation (in Situ)		☺	☺	☺	☺						
Efficiency of disinfectants/cleaners against biofilm (Biofilm screening tests)					☺						
Testing of antimicrobial or antiadhesive coatings						☺	☺	☺			
	Antimicrobial efficiency of coated textiles (AATCC 100, ISO 20743, JIS L 1902, ASTM E2149)					☺	☺				
	Antimicrobial efficacy of coated plastic surfaces (ISO 22196)					☺					
Agar diffusion tests (DIN/EN/ISO 20645, SN195921)						☺	☺				
Mold growth tests/fungi resistance tests of materials (Moist chamber tests, ISO 846, EN 2591-306, MIL-STD-810_508.6, EN 14119, ASTM G21-15)											☺
Biodegradability (soil burial tests ISO 846)											☺
Testing of environment samples (food samples, drinking water, water from air conditioning units and cooling towers, air samples, samples of surfaces) according to different standards									☺	☺	
Detection and enumeration of different microorganisms according to different standards									☺	☺	