

Results and conclusion²

Tab. 2.1: Summary of the reductions (log₁₀ RF) achieved against *C. albicans* and *A. brasiliensis* in a practical application test using application concentrations of 25 % and 100 % **MEIKO®ACTIVE SPOROSAN® 8100 A+B** and a **process-related contact time of 2 minutes (program 1)** under clean conditions in the MEIKO bedpan washer. log₁₀ RF values in bold compared to the positive control: yeasticidal and fungicidal efficacy of ≥ 4 log levels

reference strain	log ₁₀ positive control		log ₁₀ RF relative to positive control		log ₁₀ RF relative to rinsing control	
	values	mean	values	mean	values	mean
<i>C. albicans</i>	7.05	6.94	7.05	6.94	4.25	4.25
	6.86		6.86		4.25	
	6.90		6.90		4.25	
<i>A. brasiliensis</i>	7.19	7.17	6.49	6.19	3.58	3.30
	7.24		6.39		3.43	
	7.07		5.69		2.90	

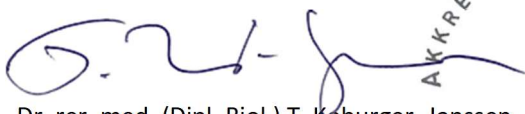
Tab. 2.2: Summary of the reductions (log₁₀ RF) achieved against *A. brasiliensis* in a practical application test using application concentration of 100 % **MEIKO®ACTIVE SPOROSAN® 8100 A+B** and a **process-related contact time of 30 s (program 2)** under clean conditions in the MEIKO bedpan washer. log₁₀ RF values in bold compared to the positive control: fungicidal efficacy against *A. brasiliensis* of ≥ 4 log levels

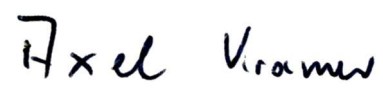
reference strain	log ₁₀ positive control		log ₁₀ RF relative to positive control		log ₁₀ RF relative to rinsing control	
	values	mean	values	mean	values	mean
<i>A. brasiliensis</i>	7.19	7.17	< 4.67	< 4.65	< 3.12	< 3.12
	7.24		< 4.72		< 3.12	
	7.07		< 4.55		< 3.12	
	repetition		repetition		repetition	
	7.35	7.25	3.49	3.64	1.73	2.59
	7.15		3.42		1.86	
	7.24		4.00		2.35	

In this practical carrier test for surface disinfection—modified for the MEIKO bedpan washer (MEIKO TopLine M3) and based on DIN EN 17387 (2021)—the two-component disinfectant **MEIKO®ACTIVE SPOROSAN® 8100 A+B** demonstrated at the tested concentration of 100 % (25 % in the wetting step, 100 % in the disinfection step, program 1) with a **process-related contact time of 2 min** when used under clean conditions (0.03% albumin) and a chamber temperature of 20 °C – 25 °C, with a total reduction of log₁₀ RF ≥ 6, demonstrated yeasticidal efficacy (log₁₀ RF ≥ 4) against the reference strain *C. albicans* (table 3.1 -3.4) and fungicidal efficacy (log₁₀ RF ≥ 4) against the reference strains *C. albicans* and *A. brasiliensis* (table 3.1 -4.4).

MEIKO®ACTIVE SPOROSAN® 8100 A+B, when used at 100 % (100 % in the disinfection step, program 2) at the shorter contact time of **30 s**, **does not possess** fungicidal efficacy (log₁₀ RF ≥ 4) against the reference strain *A. brasiliensis* (table 5.11 -5.3.2).

Greifswald, July 24, 2026





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