

Results and conclusion²

Tab. 2.1: Summary of the reductions ($\log_{10}$ RF) achieved against *M. terrae* and *M. avium* 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. $\log_{10}$ RF values in bold compared to the positive control: tuberculocidal and mycobactericidal 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>M. terrae</i>	7.84	7.78	5.58	6.24	4.26	4.98
	7.69		5.94		4.77	
	7.81		7.21		5.92	
<i>M. avium</i>	7.56	7.49	5.52	5.46	4.49	4.51
	7.4		5.25		4.38	
	7.5		5.62		4.65	

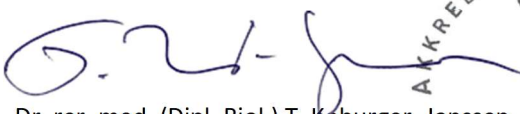
Tab. 2.2: Summary of the reductions ($\log_{10}$ RF) achieved against *M. terrae* in a practical application test using application concentration of 100 % **MEIKO®ACTIVE SPOROSAN® 8100 A+B** and a **process-related contact time of 30 s (program 2)** under clean conditions in the MEIKO bedpan washer. $\log_{10}$ RF values in bold compared to the positive control: tuberculocidal efficacy of ≥ 4 log levels

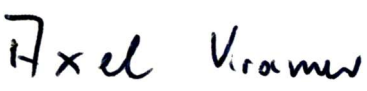
reference strain	$\log_{10}$ positive control		$\log_{10}$ RF relative to positive control		$\log_{10}$ RF relative to rinsing control	
	values	mean	values	mean	values	mean
<i>M. terrae</i>	7.84	7.78	7.84	7.45	7.29	6.96
	7.69		7.39		6.99	
	7.81		7.11		6.59	

In this practical carrier test for surface disinfection—modified for the MEIKO bedpan washer (MEIKO TopLine M3) and based on DIN EN 17387 (2021) and EN 14348 (2005)—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 $\log_{10}$ RF ≥ 5 , tuberculocidal efficacy ($\log_{10}$ RF ≥ 4) against the reference strain *M. terrae* (table 3.1.1 -3.4) and mycobactericidal efficacy ($\log_{10}$ RF ≥ 4) against the reference strains *M. terrae* and *M. avium* (table 3.1.1 -4.4).

At the shorter **contact time of 30 s** the two-component disinfectant **MEIKO®ACTIVE SPOROSAN® 8100 A+B** demonstrated at the tested concentration of 100 % (100 % in the disinfection step, program 2) when used under clean conditions (0.03% albumin) and a chamber temperature of 20 °C – 25 °C, tuberculocidal efficacy ($\log_{10}$ RF ≥ 5) against the reference strain *M. terrae* (table 5.1 – 5.3).

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 Dr. rer. med. (Dipl. Biol.) T. Koburger-Janssen
 - General Manager -



 Prof. Dr. med. A. Kramer
 MD for Hygiene and Environmental Medicine -