



University of HUDDERSFIELD

Results Report

Huddersfield Microbiology Services

School of Applied Sciences
University of Huddersfield
Queensgate, Huddersfield
HD1 3DH
Tel: 01484 472771
Fax: 01484 472347
e-mail: microbiology@hud.ac.uk

Customer contact:

Mr M Da Silva
RMP (UK) Ltd
Unit 4 Mews House
Princes Lane, Muswell Hill,
London, N10 3LU

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Sporicidal activity of Disifin determined using the European Standard Test method BS EN 13704:2002 against: *Clostridium difficile* Ribotype 027 (NCTC 13366) Spores

Requirements of this standard

The product, when tested under the stipulated conditions (simulated clean conditions (0.3 g l⁻¹ bovine albumin), 20°C, a 60 minute contact time, for the selected reference strain), shall demonstrate at least a 3 log₁₀ reduction in viable spores.

Test Results

When tested against *C. difficile* Ribotype 027 (NCTC 13366) with a 30 and 60 minute contact time a 1 tablet per 500ml of water test concentration of Disifin was able to generate a >3 log₁₀ reduction in viable spores. Consequently under these test conditions and when tested against this bacteria, Disifin meets the requirements of the Standard.

Test Conditions	Contact Time (minutes)	Log ₁₀ Reduction Achieved
0.3 g l ⁻¹ (clean)	30	>3
	60	>3

Table 1. Log₁₀ reductions in *C. difficile* Ribotype 027 (NCTC 13366) spore counts following 30 and 60 minute exposures to the test material.

Referenced Organism	Test Replicate	Starting concentration CFU ml ⁻¹	Contact Time	Final concentration CFU ml ⁻¹ clean 0.3 g l ⁻¹ Bovine Albumin
<i>Clostridium difficile</i> Ribotype 027 (NCTC 13366)	1	1.5x10 ⁵	30	<150
			60	<150
	2	1.6x10 ⁵	30	<150
			60	<150

Table 2. Reductions in *C. difficile* Ribotype 027 (NCTC 13366) spore counts following a 60 minute exposure to the test material.

Signature...  ... Date.....27/08/08.....

Whilst these analyses have been carried out carefully and have been checked, no liabilities can be accepted for consequential or indirect damages.