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Lab no V09/12

TEST REPORT NO V09/12 B (2)

TESTING THE EFFICACY OF A DISINFECTANT

Objective

To evaluate the disinfection efficacy of the product: F10 SC (Batch 140543) as submitted by Mr John Temperley from Health and Hygiene (Pty) Ltd.
The primary objective was to evaluate efficacy against canine parvovirus.

Comments:

- The results provided in the report are only applicable to the laboratory samples as received and analysed by the laboratory.
- This test report shall not be reproduced except in full without written approval of the laboratory.
- Opinions and interpretations of test results fall outside the scope of this report. Should you have enquiries, please do not hesitate to contact us for more information on the above-mentioned results.

Canine parvovirus

Virus used : canine parvo #2 CrFK 06.08.12
Product : F10 SC (Batch 140543)
Dilution : 1:100
Contact time : 15 minutes
Temperature : Room temperature

Dilution	FA result		
	Toxicity MEM + F10 SC (Batch 140543)	Virus control MEM + parvovirus	Test F10 SC (Batch 140543) + parvovirus
10 ⁻¹	Cytotoxicity	Viral growth	Cytotoxicity
10 ⁻²	Cytotoxicity	Viral growth	Cytotoxicity
10 ⁻³	Negative	Viral growth	Negative
10 ⁻⁴	Negative	Viral growth	Negative
10 ⁻⁵	Negative	Viral growth	Negative
10 ⁻⁶	Negative	Negative	Negative
10 ⁻⁷	-	Negative	Negative
10 ⁻⁸	-	Negative	Negative

Toxicity was observed in the 10⁻¹ and 10⁻² dilution.

The virus control showed viral growth up to the 10⁻⁵ dilution.

The test group containing F10 SC (Batch 140543) + canine parvovirus showed cytotoxicity in the 10⁻¹ and 10⁻² dilution.

A 3.0 log₁₀ reduction in virus infectivity was achieved with a 1:100 dilution of F10 SC (Batch 140543) against canine parvovirus after a contact time of 15 minutes at room temperature. Because of the product's cytotoxicity in the first two dilutions, a 3.0 log₁₀ reduction in virus infectivity above cytotoxic level is acceptable to confirm efficacy.

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CONCLUSION

The results indicate acceptable efficacy for F10 SC (Batch 140543) at a dilution of 1:100 against canine parvovirus after a contact time of 15 minutes at room temperature.

Yours sincerely



Prof. M van Vuuren

Section Head: Virology

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