

**Test Report EN 1657 Chemical disinfectants and antiseptics -
Quantitative suspension test for the evaluation of fungicidal activity
of chemical disinfectants and antiseptics used in veterinary field -
Test method and requirements (phase 2/step 1)
*MICROSPORUM CANIS***

Test Laboratory

BluTest Laboratories Ltd

Robertson Incubator (Level 4)
Robertson Building
56 Dumbarton Road
Glasgow, G11 6NU, UK

Identification of sample

Name of the product
Batch number
Client

VETGENE SURFACE SANITISER

N/A

**Vet Hygiene Solutions Ltd, 14 Great South Road,
Pokeno, New Zealand**

Project Code
Date of Delivery
Storage
Active substances

BT-VHS-01
27 March 2013
Keep cool in well-ventilated area
Quaternary Ammonium compounds < 10%, Octyl amine
oxide <5%, Ethanol <2%

Test Method and its validation

Method
Neutralizer

Filtration-neutralization
Lecithin 3g/l, Polysorbate 80 30g/l, sodium thiosulphate
5g/l, L-histidine 1g/l, sodium chloride 8.5g/l, tryptone
1.0g/l, phosphate buffer 0.0025mol/l, sterilized by
autoclave

Experimental Conditions

Period of analysis
Product diluent used
Product test concentrations
Appearance product dilutions
Contact time (minutes)
Test temperature
Interfering substance
Stability of mixture
Temperature of incubation
Identification of strain

7 to 13 May 2013
Sterile, synthetic hard water
1.0% V/V (adjusted final test concentration)
Clear
 $t = 5 \pm 10$ s
 $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$
0.3 g/l bovine albumin
Stable
 $30^{\circ}\text{C} \pm 1^{\circ}\text{C}$
Microsporum canis CBS 132.88

Comments: Product was received as a 1/4 strength solution. To give the correct final test concentration of 1.0% the product was diluted 1/20 (1.25 x final test concentration) and tested at 80.0% V/V with the addition of 8 parts test agent to 1 part microbial suspension and 1 part interfering substance.

EN 1657: *Microsporium canis* for VETGENE SURFACE SANITISER from Vet Hygiene Solutions Ltd under CLEAN conditions

Test organisms	Validation test				Fungal test suspension (N)	Exposure	Test procedure at concentration % (V/V)	
	Fungal Suspension (Nv)	Experimental conditions (A)	Neutralizer toxicity Control or filtration control (B)	Dilution-neutralization control or filtration test control (C)				1.00%
<i>Microsporium canis</i> CBS 132.88	Vc: 79 ; 79 Nv: 7.90E+02	Vc: 70 ; 61 A: 6.55E+01	Vc: 80 ; 85 B: 8.25E+01	Vc: 75 ; 75 C: 7.50E+01	10 ⁻⁵ : 285 ; 261 10 ⁻⁶ : 25 ; 30 N: 2.75E+07	5	Vc Na R	0 ; 0 <1.40E+02 >10(4)
Validation	30 ≤ Nv ₀ ≤ 160 ? yes	A ≥ 0.5 x Nv ₀ ? yes	B ≥ 0.5 x Nv ₀ ? yes	C ≥ 0.5 x Nv ₀ ? yes	6.17 ≤ log N ₀ ≤ 6.70 ? yes		Test is valid	

Please note: The upper limit for *M canis* on membranes is 55 and should be entered as >55.

Vc = viable count.

N = number of cfu/ml of the fungal test suspension:

Nv = number of cfu/ml in the fungal suspension

R = reduction in viability

Na = number of cfu/ml in the test mixture

A = number of cfu/ml of the experimental conditions validation

B = number of cfu/ml of the neutralizer toxicity validation or of the filtration validation

C = the number of cfu/ml of the dilution-neutralization validation or the membrane filtration test validation

Conclusion

According to the EN 1657 protocol, **VETGENE SURFACE SANITISER** possesses fungicidal activity after 5 minutes ($> 4.0 \log_{10}$ reduction) at 20°C under CLEAN conditions (0.3 g/l bovine serum albumin) for the reference strain *Microsporum canis* CBS 132.88 at a concentration of 1.0% V/V.

Signed



Dr Chris Woodall, Director
BluTest Laboratories Ltd
Glasgow, UK
16 May 2013

DISCLAIMER

The results in this test report only pertain to the sample supplied.

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