



REPORT

Sample receiving date : November 19, 2015
 Lab No. : 2558-01-215
 Product Name : KEEN GERM KILLER BLOOD, SCALE&OIL REMOVER
 Physical properties : Clear colorless solution
 Active ingredient : Cocamidopropyl betaine 3.0 %w/w, Coconut fatty acid 3.8 %w/w, Hydrogen peroxide 3.0 %w/w, Potassium cocoate 3.0 %w/w
 Manufacturer : KEEN LIMITED
 Responsible for Distribution : KEEN LIMITED
 Registered Number - Lot No. 200415-009-110-2
 MFG Date 20/04/2015 Exp Date 20/04/2017
 Content 1 Liter Number of sample 5 bottle
 Test objective One step cleaner disinfectant following as AOAC Official Methods 955.14 955.15 964.02 and 955.17 described in AOAC OFFICIAL METHODS OF ANALYSIS (2010)

Test Results

Test organism	Bacterial growth after exposure of 60 contaminated carriers to disinfectant at	
	Dilution	10 min
<i>Staphylococcus aureus</i> (ATCC 6538)	Undilute	0/60
<i>Salmonella choleraesuis</i> (ATCC 10708)		0/60
<i>Pseudomonas aeruginosa</i> (ATCC 15442)		0/60
* <i>Trichophyton mentagrophytes</i>		0/60

**T. mentagrophytes* is a clinical isolate. The strain sporulate freely on culture media and produce abundant conidia as required by AOAC Official Method 955.17, AOAC International 2000, Chapter 6: page 9.

Reported by Churairatana Nilakul
 (Assoc. Prof. Churairatana Nilakul)
 Date January 18, 2016

Approved Srisurang Tantimavanich
 (Assoc. Prof. Dr. Srisurang Tantimavanich)
 Date January 18, 2016



หน่วยชันสูตรโรคสัตว์

VETERINARY DIAGNOSTIC LABORATORY

คณะสัตวแพทยศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย ถนนอังรีดูนังต์ ปทุมวัน กรุงเทพฯ 10330

Faculty of Veterinary Science, Chulalongkorn University, Heri Dunant RD.,

Patumwan, BANGKOK 10330

Tel: (02) 218-9606 Fax : (02) 218-9532

Disinfectant Effectiveness Test

Manufacture/Owner KEEN Ltd.

Address 86,88,90, Chaloem Phra Kiat Road, Nong Bon, Prawet Bangkok 10750

Access Number 33/58

Test Result

The results indicate the effectiveness of the Germ Killer concentrate Lot 020415-001-112-4 at the concentration 1:100 and the Germ Killer Blood, Scale & Oil Remover Lot 200415-009-110-2 that are able to kill Swine influenza virus (06CB1) at 10 minutes. As the virus was exposed to the disinfectant and the toxicity for cell culture was treated by Sephadex LH-20. The test result is as following :

Agents	Titer after contacting with agents (log10)
GERM KILLER concentrate 1:100	0
GERM KILLER BLOOD SCALE & OIL REMOVER	0
Control	4.15

Stock virus : H1N1 (06CB1) virus titer = $10^{4.75}$ TCID₅₀/ml

Test by Porjit Choojai Test fee 6,000 Baht
(Porjit Choojai, B.Sc.)



Reported by Rachod Tantilertcharoen Reported date 10 August 2015
(Rachod Tantilertcharoen, DVM., M.Sc.)



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The results indicate the effectiveness of the Germ Killer concentrate Lot 020415-001-112-4 at the concentration 1:100 and the Germ Killer Blood, Scale & Oil Remover Lot 200415-009-110-2 that are able to kill Porcine circovirus at 10 minutes. As the virus was exposed to the disinfectant and the toxicity for cell culture was treated by Sephadex LH-20. The test result is as following :

Agents	Titer after contacting with agents (log10)
GERM KILLER CONCENTRATE 1:100	0
GERM KILLER BLOOD, SCALE & OIL REMOVER	0
Control	4.05

Stock virus : PCV2 (11NP96) virus titer = $10^{4.55}$ TCID₅₀/ml

Test by Porjit Choojai Test fee 6,000 Baht
(Porjit Choojai, B.Sc.)



Reported by Rachod Tantilertcharoen Reported date 10 August 2015

(Rachod Tantilertcharoen, DVM., M.Sc.)



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The results indicate the effectiveness of the Germ Killer concentrate Lot 020415-001-112-4 at the concentration 1:100 and the Germ Killer Blood, Scale & Oil Remover Lot 200415-009-110-2 that are able to kill Swine Fever Virus (ALD strain) at 10 minutes. As the virus was exposed to the disinfectant and the toxicity for cell culture was treated by Sephadex LH-20. The test result is as following :

Agents	Titer after contacting with agents (log10)
GERM KILLER concentrate 1:100	0
GERM KILLER BLOOD SCALE & OIL REMOVER	0
Control	5.25

Stock virus : SFV (ALD strain) virus titer = $10^{5.75}$ TCID₅₀/ml

Test by Porjit Choojai Test fee 6,000 Baht
(Porjit Choojai, B.Sc.)



Reported by Rachod Tantilertcharoen Reported date 27 July 2015

(Rachod Tantilertcharoen, DVM., M.Sc.)



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Test Result

The results indicate the effectiveness of the Germ Killer concentrate Lot 020415-001-112-4 at the concentration 1:100 and the Germ Killer Blood, Scale & Oil Remover Lot 200415-009-110-2 that are able to kill Aujeszky's Disease virus (ADV) at 10 minutes. As the virus was exposed to the disinfectant and the toxicity for cell culture was treated by Sephadex LH-20. The test result is as following :

Agents	Titer after contacting with agents (log10)
GERM KILLER concentrate 1:100	0
GERM KILLER BLOOD SCALE & Oil REMOVER	0
Control	5.15

Stock virus : ADV virus titer = $10^{5.55}$ TCID₅₀/ml

Test by Porjit Choojai Test fee 6,000 Baht
(Porjit Choojai, B.Sc.)



Reported by Rachod Tantilertcharoen Reported date 27 JULY 2015

(Rachod Tantilertcharoen, DVM., M.Sc.)



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Test Result

The results indicate the effectiveness of the Germ Killer concentrate Lot 020415-001-112-4 at the concentration 1:100 and the Germ Killer Blood, Scale & Oil Remover Lot 200415-009-110-2 that are able to kill Porcine reproductive and respiratory syndrome virus (EU strain) at 10 minutes. As the virus was exposed to the disinfectant and the toxicity for cell culture was treated by Sephadex LH-20. The test result is as following :

Agents	Titer after contacting with agents (log10)
GERM KILLER concentrate 1:100	0
GERM KILLER BLOOD SCALE & OIL REMOVER	0
Control	4.05

Stock virus : PRRSV (01KB1) virus titer = $10^{4.50}$ TCID₅₀/ml

Test by Porjit Choojai Test fee 6,000 Baht
(Porjit Choojai, B.Sc.)



Reported by Rachod Tantilertcharoen Reported date 5 August 2015

(Rachod Tantilertcharoen, DVM., M.Sc.)



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The results indicate the effectiveness of the Germ Killer concentrate Lot 020415-001-112-4 at the concentration 1:100 and the Germ Killer Blood, Scale & Oil Remover Lot 200415-009-110-2 that are able to kill Porcine reproductive and respiratory syndrome virus (US strain) at 10 minutes. As the virus was exposed to the disinfectant and the toxicity for cell culture was treated by Sephadex LH-20. The test result is as following :

Agents	Titer after contacting with agents (log10)
GERM KILLER concentrate 1:100	0
GERM KILLER BLOOD SCALE & OIL REMOVER	0
Control	5.00

Stock virus : PRRSV (01NP1) virus titer = $10^{5.50}$ TCID₅₀/ml

Test by Porjit Choojai Test fee 6,000 Baht
(Porjit Choojai, B.Sc.)



Reported by Rachod Tantilertcharoen Reported date 5 August 2015

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Test Result

The results indicate the effectiveness of the Germ Killer concentrate Lot 020415-001-112-4 at the concentration 1:100 and the Germ Killer Blood, Scale & Oil Remover Lot 200415-009-110-2 that are able to kill Highly pathogenic porcine reproductive and respiratory syndrome virus (HP-PRRSV) at 10 minutes. As the virus was exposed to the disinfectant and the toxicity for cell culture was treated by Sephadex LH-20. The test result is as following :

Agents	Titer after contacting with agents (log10)
GERM KILLER concentrate 1:100	0
GERM KILLER BLOOD SCALE & Oil REMOVER	0
Control	4.05

Stock virus : HP-PRRSV (2010-1NR) virus titer = $10^{4.50}$ TCID₅₀/ml

Test by Porjit Choojai Test fee 6,000 Baht

(Porjit Choojai, B.Sc.)



Reported by Rachod Tantilertcharoen Reported date 5 August 2015

(Rachod Tantilertcharoen, DVM., M.Sc.)