

โครงการประกันคุณภาพทางจุลชีววิทยา คณะเทคนิคการแพทย์ มหาวิทยาลัยมหิดล

QUALITY ASSURANCE PROJECT (MICROBIOLOGY) FACULTY OF MEDICAL TECHNOLOGY MAHIDOL UNIVERSITY

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
Staphylococcus aureus (ATCC 6538)		0/60
Salmonella choleraesuis (ATCC 10708)		0/60
Pseudomonas aeruginosa (ATCC 15442)	Undilute	0/60
*Trichophyton mentagrophytes		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 .

(Assoc. Prof. Dr. Srisurang Tantimavanich)

Date January 18, 2016

สถานที่ตั้ง : ภาควิชาจุลชีววิทยาคลินิกและเทคโนโลยีประยุกต์ คณะเทคนิคการแพทย์ มหาวิทยาลัยมหิดล

2 พรานนก แขวงศีริราช เขตบางกอกน้อย กทม. 10700 โทร. 0-2419-7172, 0-2411-1096 ต่อ 191 แพ็กซ์ 0-2412-4110 999 ถนนพุทธมณฑลสาย 4 ตำบลศาลายา อำเภอพุทธมณฑล จังหวัดนครปฐม 73170 โทร 0-2441-4371-9 ต่อ 2828, 2838 แพ็กซ์ 0-24414380 Department of Clinical Microbiology and Applied Technology, FACULTY OF MEDICAL TECHNOLOTY, MAHIDOL UNIVERSITY, 2 PHRAN_NOK ROAD, BANGKOK-NOI, SIRIRAJ, BANGKOK 10700 Tal. 0-2419-7172, 0-2411-1096 ต่อ 191 Fax. 0-2412-4110

Manufacture/Owner KEEEN 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	torjit	Choojai		_Test fee	6,000	Baht
	(Porjit	t Choojai, B.S.	C.) รายมหนิดม[มะ	4ª	,	
			C	U		
Reported by_	Ra	Al Tans	ent.	_Reported da	ate <u>10 Aug</u> u	ıst 2015
(F	Rachod Tar	ntilertcharoen,	DVM., M.Sc.)		3	

Manufacture/Owner KEEEN 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 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	Porfit Charga:	Test fee	6,000	Baht
	(Porjit Choojai, B.Sc.)	7993		
	(c)	U		
Reported by	Pachet Tambold	Reported d	ate <u>10 Augu</u>	ıst 2015
neported by				

Manufacture/Owner KEEEN 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 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, B.Sc.)	Test fee	6,000	Baht
		C U		
Reported by	Jahr Tall	Reported da	ate <u>27 July</u>	2015

Manufacture/Owner KEEEN 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 Aujesky'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	Poritt Chougai	Test fee	6,000	Baht
,	(Porjit Choojai, B.Sc.)	ENTITURE TO A STATE OF THE STAT		
		$\left(\mathbf{c}\right)$ \mathbf{v}		
		371		
Reported by	Jackel Tomble	Reported d	ate <u>27 JUly</u>	2015
heported by				

Manufacture/Owner KEEEN 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 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

(Porjit Choojai, B.Sc.)

(Porjit Choojai, B.Sc.)

(Porjit Choojai, B.Sc.)

Reported by ______Reported date __5 August _2015

Manufacture/Owner KEEEN 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 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

Reported by Reported date 5 August 2015

Manufacture/Owner KEEEN 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 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 = $10^{4.50}$ TCID $_{50}$ /ml

Test by	Porjet Choczai	Test fee	6,000	Baht
,	(Porjit Choojai, B.Sc.)	Z. C.	-\	
		C	U)	
	Parket Tankl	T SABSHMARALIN		. 0015
Reported by		Reported dat	te <u>5 Augus</u>	t 2015
(Ra	achod Tantilertcharoen, DVM.,	M.Sc.)		