



³SICUBE
Sterilization

³S
CUBE

Safe

x

Superior

x

Secure

Sterilization



New type
CIO2



Patented
technique



Active to
various viruses



Sterilizing rate
> 99.99%



Safety &
efficacy



Alcohol
free



Safe x Superior x Secure

Now COVID-19 pandemic is ongoing and getting serious, under this condition, personal hygiene consciousness is rising fast.
How can we keep ourselves safe from the viruses?

We can start by “Safely Sterilizing”

S | cube series is applying New Type CIO2 with patented techniques, unlike traditional ones, S | cube is non-irritating, non-toxic, but still remains the brilliant efficacy on killing the bacterium.

Let' s find out more about S | cube!!

Why choose ClO₂



COVID-19 | Coronavirus Report: 2020-03-09

The Infection Prevention Strategy

TIPS
www.IC.tips

InfectionControl.tips
Join. Contribute. Make A Difference.

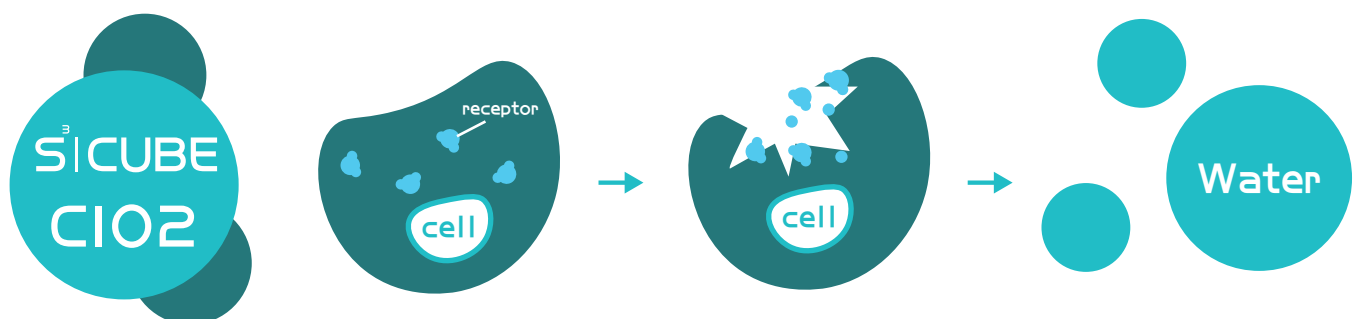
Product	Commercial Name(s)	Registration	Efficacy*	Notes
Chlorine dioxide (ClO ₂)	Prokure V (Prokure)	EPA	Hepatitis A, Rhinovirus type 37, Coronavirus , Influenza A, Influenza A.	

In TIPS report on March 9th (COVID-19 Surface Disinfection Methods), they show a list about the efficacy of different methods to different viruses, we could find that "ClO₂" has efficacy on Corona Virus.

Reference:




<https://ic.tips/2020/02/02/2019-ncov-surface-disinfection-methods/>

How ClO₂ kill the viruses & bacterium?



Spray on the surface → Destroy viruses, cells, cell wall and receptors → Oxidation & Reduced into water

Why choose S|cube

	 S³-CUBE New ClO ₂	Traditional ClO ₂	HCIO	Bleach liquid	Ethanol
Ingredient	Salt+Water	NaClO ₂ + HCl	HCl	NaClO	Alcohol fermentation
Irritant	 NO	YES	YES	Strong	Strong
Stability	 Safe	Along with carcinogens	Short preservation	Strong causticity	Flamable
Sterilizing time	 Fast (in 1 min)	Fast (Few mins)	Normal	Slow	Slow
Residual toxicity	 NO	YES	YES	YES	 NO
Sterilization effect	 Good + Fast	Normal	Weak	Good + Slow	Good + Slow

Quick Test - Sterilizing efficacy

Before



After



Test & Report

Efficacy



测试报告

检测项目: 相对挥发分含量

Ultra Trace Industrial Safety Hygiene

重量: 2 of 3

报告编号: **SP0215050282**

日期: **2015/06/05 15:00**

客户: **XXXXXXXXXXXX**

检测项目: **相对挥发分含量**

检测标准: **GB 18384-2008, 2.5.2**

测试项目:

测试项目	测试结果	单位/标准	测试方法/测试标准	检测重量(g)
相对挥发分含量	4.70×10^{-2}	无量纲	47	<100g
相对挥发分含量	7.10×10^{-2}	无量纲	47	<100g
相对挥发分含量	7.80×10^{-2}	无量纲	0.40x 10 ²	<100g
相对挥发分含量	7.80×10^{-2}	无量纲	0.40x 10 ²	<100g

备注:

1. 检测项目: 相对挥发分含量

2. 检测标准: GB 18384-2008, 2.5.2

3. 检测项目: 相对挥发分含量


4. 检测标准: GB 18384-2008, 2.5.2

5. 检测项目: 相对挥发分含量

6. 检测标准: GB 18384-2008, 2.5.2

— 3 —

Sterilizing Rate
99.9%



HANG CHUNG UNIVERSITY
Research Center for Emerging Viral Infections
FINAL REPORT

Experimental Starting Date: 2016.03.01
 Experimental Completion Date: 2016.05.31

SPONSOR: Unique Biotech Co., Ltd.

PRODUCT: Unique Electrolyzed gas chlorine dioxide solution (UC-1)

PURPOSE:


The purpose of this study was to produce data that provides basic information about the Unique Electrolyzed gas chlorine dioxide solution (UC-1) when tested against Enterovirus 71.

RESULTS:

UC-1 can inhibit Enterovirus 71 in this study. The tests were carried out according to standard virus test practice where we expose UC-1 to a virus sample for 2 or 5 min then cultivate the virus in favorable conditions and count the amount of virus in the samples. The exposure time was done in room temperature. The amount of virus in the samples set comparable to an untreated UC-1 test. The UC-1 can reduce Enterovirus 71 plaque forming ability. The half maximal inhibitory concentration (IC50) is 46.39 ± 1.97 ppm in incubation with UC-1 2 min test. The IC50 is 46.49 ± 3.41 ppm in incubation with UC-1 5 min test.



CONCLUSION:

Based on these results which concluded that the "Unique Electrolyzed gas chlorine dioxide solution (UC-1)" can inhibit Enterovirus 71.


長庚大學
 新興病毒感染症研究中心

*In the opinion of the Author, there were no circumstances that may have affected the quality or integrity of the data.

Enterovirus 71

 <p style="text-align: center;">CHANG GUNG UNIVERSITY Research Center for Emerging Virus Infections FINAL REPORT</p>		Experimental Starting Date: 2018.03.01 Experimental Completion Date: 2018.05.01
SPONSOR: Sino Biotech Co., Ltd.		
PRODUCT: Unique Electrolyzed gas chlorine dioxide solution (UC-1)		
PURPOSE: <p>The purpose of this study was to produce data that provides basic information on the Unique Electrolyzed gas chlorine dioxide solution (UC-1) when tested against influenza A virus.</p>		
RESULTS: <p>UC-1 can inhibit influenza A virus in this study. The tests were carried out according to standard virus test practice where we expose UC-1 to a virus sample for 2 or 5 min then expose the virus in favorable conditions and count the number of virus cultures. The culture time was done in room temperature. The amount of virus in the samples was comparable to an untreated UC-1 test. The UC-1 can reduce influenza A virus plaque forming ability. The half maximal inhibitory concentration (IC50) is 84.65 ± 0.64 ppm in incubation with UC-1 min test. The IC50 is 97.91 ± 21.05 ppm in incubation with UC-1 5 min test.</p>		
CONCLUSION: <p>Based on these results which concluded that the Unique Electrolyzed gas chlorine dioxide solution (UC-1)* can inhibit influenza A virus.</p>		
<p>*In the opinion of the Author, there were no circumstances that may have affected the quality or integrity of the data.</p>		
 <p style="text-align: right;">長庚大學 新興病毒感染症研究中心</p>		

Influenza A

CHANG GUNG UNIVERSITY
Research Center for Emerging Viral Infectious Diseases

FINAL REPORT

Experimental Starting Date: 2016.03.01
Experimental Completion Date: 2016.05.31

SPONSOR: Unique Biotech Co., Ltd.

PRODUCT: Unique Electrolyzed gas chlorine dioxide solution [UC-1]

PURPOSE:
The purpose of this study was to produce data that provides basic information about the Unique Electrolyzed gas chlorine dioxide solution [UC-1] when tested against influenza B virus.

RESULTS:
UC-1 can inhibit influenza B virus in this study. The tests were carried out according to standard virus test practice where we expose UC-1 to a virus sample for 2 or 5 mins then cultivate the virus in favorable conditions and count the number of virus cultures. The exposure time was done in room temperature. The amount of virus in the samples was comparable to an untreated UC-1 test. The UC-1 can reduce influenza B virus plaque forming ability. The half maximal inhibitory concentration (IC50) is 95.91 ± 11.63 ppm in incubation with UC-1 2 min test. The IC50 is 86.09 ± 6.97 ppm in incubation with UC-1 5 min test.

CONCLUSION:
Based on these results which concluded that the "Unique Electrolyzed gas chlorine dioxide solution [UC-1]" can inhibit influenza B virus.

長庚大學
新興病毒感染症研究中心

*In the opinion of the Author, there were no circumstances that may have affected the quality or integrity of the data.

Influenza B

Safety

Group	Sex	Number of animals	24 hrs after challenge phase	48 hrs after challenge phase
Control ("No salt" value)	Female	G-1050401-43	0	0
		G-1050401-42	0	0
		G-1050401-41	0	0
		G-1050401-44	0	0
		G-1050401-45	0	0
Mean score			0	0
Test ("Isopine Dietary food gas chloride dietetic solution (15-17")	Female	G-1050401-46	0	0
		G-1050401-47	0	1
		G-1050401-48	0	0
		G-1050401-49	0	0
		G-1050401-50	1	0
		G-1050401-51	0	0
		G-1050401-52	1	0
Test	Male	G-1050401-53	0	0
		G-1050401-54	0	0
		G-1050401-55	0	0
Mean score			0.2	0.1

Heavy Metals

[illegible]

In Vitro Cytotoxicity

SGS

CONCLUSION

The inhibition of cell viability was assessed and listed in Table 2. Based on the assessment result concluded that the 100 µg/ml Disrupted green chloroplasts demonstrated a 57.47% decrease did not reduce cytotoxicity to 1/200 cells.

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BioPharm

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Skin Sensitization

[illegible]

Ocular(eyes)
Irritation



Air Spray

NO.32 I-M
SPRAY (200ml)



Kill 99.9%
of bacteria (in 1 min)

NO.32 I-S
SPRAY (100ml)



NO.32 I-L
SPRAY (350ml)



For home



NO.322-S
CRYSTAL GEL (150g)
30 days



NO.322-L
CRYSTAL GEL (250g)
45-60 days



For car



NO.323
AIR VENT
3-4 weeks



NO.324
LIQUID TYPE
45-60 days



S|CUBE
Sterilization



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