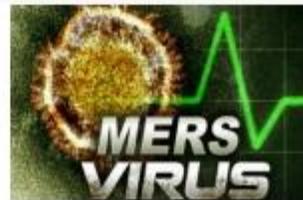
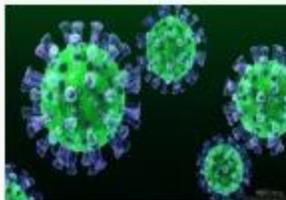




Proposal For Advanced Concept Space Sterilizer



The One and Only product in Korea with 99.998% sterilizing power as a result of the **CORONA VIRUS(MERS) TEST**



Social Issues

Among the dangers faced by human beings living in the 21st century, the fear and various losses are largely caused by microbial attacks such as viruses and superbacteria.

The SARS in 2003, the H1N1 flu in 2009, and MERS crisis last year have caused the whole country to feel anxious.

In addition, **last year, the entire nation, including the health industry, focused on the MERS incident.**

In less than two months, this MERS incident caused 36 deaths, and even the best hospitals in the country had little to do with the MERS outbreak. If this situation continues, it will recur at any time.

Virus infections lead to the loss of the national economy, not just the misfortunes of individuals and families.

Despite the constant efforts in many fields and related industries to prepare for the annual attack of new viruses, the reality is that there are no clear technical solution.

So is there no counter-measures and roles in the new technologies needed to protect humanity from microbial attacks, such as viruses and bacteria, which are the biggest crises facing the new generation in the 21st century?

Realize the new substance ST Radical by applying photocatalyst to prevent secondary infection from viruses!

From now on we will describe the natural science solution.



• Air Purifier that gradually disappear from people's lives

Previously, each home had one air purifier for the purpose of using only the air cleaning function, but nowadays the air purifying function is not enough.

In these days, the eradication of various harmful bacteria as well as the air purification is essential.

Disadvantages

1 Sucking dust and air floating bacteria

→ Not possible with suction power of air purifier

2 Adsorbed bacteria

→ Only possible with atmospheric vaporization method

3 Filters become hot spots for bacterial growth

→ The key parts to filter dust are rather big problems

4 Odor removal

→ In order to solve the odor, it is not possible unless the root cause of the rotting bacteria is treated.



Purpose of Air Purifier

1 Dust removal

method of sucking dust in the atmosphere

2 Anion generation

Dust also exist in rural clean areas.

Dust removal is not important.

The key point is to break down the harmful substances that fine dust contains!

In general, the air purifier has a suction capability of about 1 meter from the device.

Is it possible to suck various kinds of bacteria at a distance of several meters or more even if it absorbs atmospheric dust to some extent?

It cannot solve the attachment dust and adsorption bacteria of each home at all.

『 Sterilizer certified as the only space sterilizer method in Korea 』

Space Sterilization

Corona virus(MERS)	99.997%
A Type Influenza	99.999%
Super bacteria	99.99%
various virus	99.99%



Air Purifying
dust decomposition
anionic generation



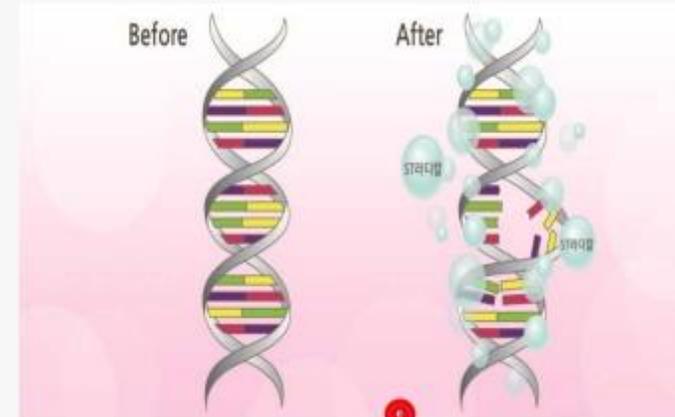
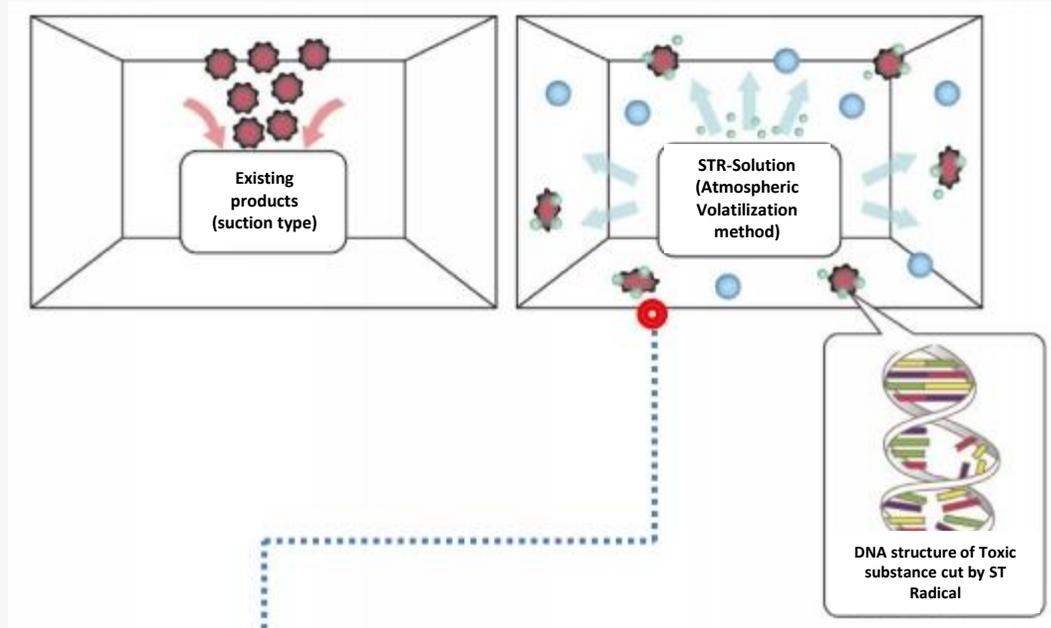
ONLY 공기정화는 No!

This is the ANSWER.
Best technology is the fundamental solution.
Only the STR-Solution is the right way.

In short, our STR-Solution is not a way to purify or sterilize harmful substances with filters or plasmas. It is **the only air-volatile method in Korea that carries a powerful disinfectant called ST Radical**, which is a substance produced by photocatalyst oxidation, **into the atmosphere and distributes it to every corner of the room.**

This distributed ST radical meets with each species of harmful compounds in a three-dimensional space and kills harmful bacteria, which **breaks down the DNA of the harmful compounds / RNA structure of the compound.**

- STR- Solution Technical Principle



ST Radical Atmospheric Volatilization Method

Generates about 30,000 ST radicals per second and distributes them to the atmosphere, **trace and eliminate harmful bacteria and harmful viruses that are adsorbed to the walls and ceiling/floor as well as air.**

Deoxidization method

A way of returning germs to their pre-hazardous structures rather than to physically kill them

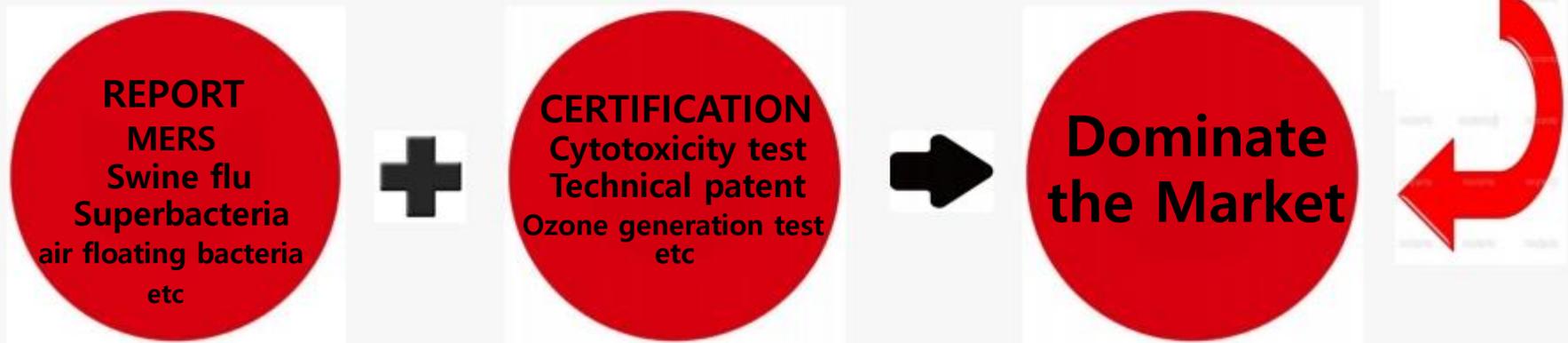
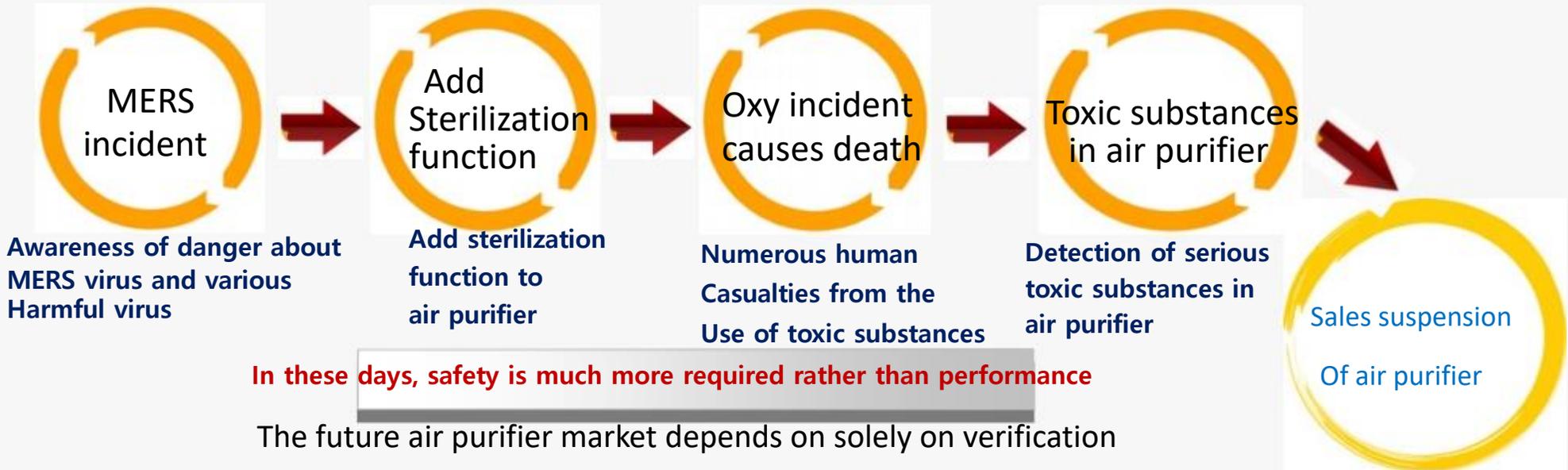
DNA/RNA structure of hazardous compounds by ST radical to be cut off

Excellent deodorizing function

The cause of the bad smell is the odor that bacteria produce as they decompose

By perfectly eliminating various saprogenic bacteria, various odors are completely eradicated

Why did all household necessities air purifiers disappear from cable TV shopping sales?



Side Effect of Sterilization

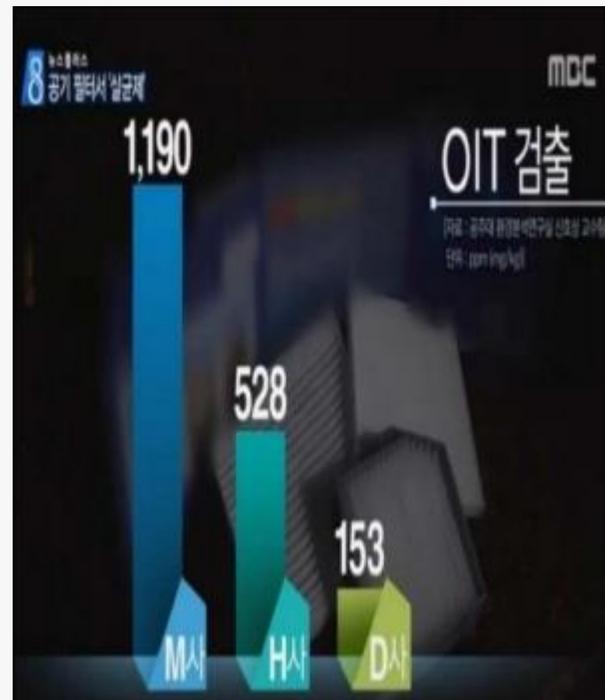
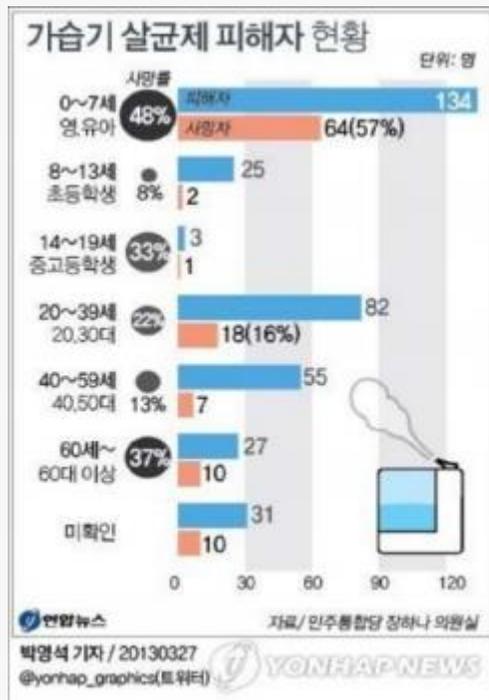
In addition to the MERS outbreak, the domestic society was once again in a state of great shock Sterilizers became a big problem as an oxymoron.

To add the function of sterilizing to the humidifier, a toxic substance was used.

This could be seen with the manufacturer's nonprofessional mind, but the problem is originally based on the fundamental principle that toxic substances are forced to be used to kill germs.

As a result, the air purifier became a big problem again with the start of the Oxy crisis. Although it has been several months since the air cleaner happened, domestic society can not see the advertisement of air cleaner at all. This happened because the function of sterilization was added to the function of dust removal, which was the original purpose of the air cleaner. As the filter inside the air purifier eventually became a hotbed of bacterial growth, the three major domestic manufacturers added a very strong toxic substance called CMIT to the filter and caused a great harmful influence on the human body. CMIT is a fatal toxicant to death, as noted in many press releases when inhaled into the body as a chemical preservative called chloromethylisothiazolinone.

In the end, in order to sterilize harmful bacteria, the basic logic that can only use toxic substances is encountered.



제조업체	제품명	허가번호	비고
주야모레퍼시픽	메디안후레쉬포레스트치약	제454호	사용기한 이내 모든 제품
	메디안후레쉬마린치약	제454호	
	메디안바이탈에너지치약	제454호	
	본초연구잇몸치약	제5173호	
	송염본소금잇몸시린이치약	제5173호	
	그린티스트치약	제5045호	
	메디안바이탈액선치약	제5044호	
	메디안바이탈클린치약	제5044호	
	송염청이단치약플러스	제1232호	
	뉴송염오복잇몸치약	제5057호	
메디안잇몸치약	제5179호		

* 자료: 식품의약품안전처
그래픽: 이승현 디자이너

- **Sterilization effect and its harmful effect on human body**



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◆ **The harmless proof to the human body is the most top priority condition** ◆



- **Zero Human Hazard**
- **Completed Cytotoxicity test**
- **GLP International Certification Completed**

제조업체	제품명	허가번호	비고
쥘아모레퍼시픽	메디안후레쉬포레스트차약	제454호	사용기한 이내 모든 제품
	메디안후레쉬미린차약	제454호	
	메디안바이탈에너지차약	제454호	
	본초연구잇몸차약	제5173호	
	송염본스금잇몸시린차약	제5173호	
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- **Four prerequisites for selling Sterilizers**

① Test Report

In order to sell sterilizers, **the following three categories of bacteria** must be tested for sterility. This must be based on a certificate from a reliable public institution.

1. **Virus kingdom (MERS, swine flu, ebola, SARS, etc.)**
2. **Bacteria kingdom (superbacteria)**
3. **General bacteria (E.coli, fungus, v etc.)**

② Certification

Certification is each type of certificate related to the sales device as follows.

1. **Patent related**
2. **Safety related**
3. **Awards related**

STR-
SOLUTION

③ Proof of human harmlessness

Sterilizers often use physical force to kill bacteria. Although the seriousness of the toxicity has been highlighted by the oxygen situation, the harmlessness of the human body is the first thing that needs verification.

1. **STR : Vero E6 (Complete cytotoxicity test using monkey kidney epithelial cells)**
2. **MDCK(Complete cytotoxicity test using kidney epithelial cells of female dogs)**
3. **obtained GLP International Certification**

④ On-site evaluation

Efficiency is very important in on-site evaluation of sanitizers.

1. **Dongwon F&B on-site evaluation report**
2. **Halla refrigeration on-site evaluation report**
3. **Catholic University on-site evaluation report (Prof. Cho Man Soo)**
Many others (Mushroom Farm Institute, Livestock Research Institute, etc.)

In connection with the above, the product may be sold under the name of sterilizer, in particular, in order to supply sterilizers to hospitals and public institutions, **the above four conditions are absolutely necessary.**

• Features and Summary of the Technology



The STR- solution is the only air-volatilizing method in Korea that distributes atomic type powerful disinfectant substance called the ST Radical to every corner of the room which is generated by photocatalytic oxidation, rather than cleaning or sterilizing contaminants or harmful substances with filter or plasma method.

In short, the way in which many products are currently applied is suction type .

All of the existing products have a sterilization effect in the way of suction that must attract harmful bacteria such as bacteria and viruses into the device.

As mentioned above, the plasma type and various kinds of products are sold under the name of air sterilizer, because they can treat only the air floating bacteria in the air.

However, more than 90% of secondary infections are caused by adsorbed bacteria sticking to everything in sight.

Therefore, such sterilization of the suction system has a problem that the air floating bacteria caused by the convection phenomenon can be sterilized to a certain extent, but the adsorbed bacteria, which is a main cause of infection, can not be solved at all.

In conclusion, the difference between air sterilization and space sterilization is fundamentally different.

Here, the greatest feature of our technology is **to produce ST-Radical that trace and kill super bacteria and viruses** not only exist in the air but also adhesive to everything such as wall, ceiling, floor, every utensil as well as the atmosphere, three dimensional places.

Our product produces about 30,000 ST-Radical per second, and distributes them to the atmosphere, where they meet with the harmful compounds of each species in a three-dimensional location, killing the harmful organisms.

By doing so, ST-Radical breaks off the DNA / RNA structure of the hazardous compound.

This method is a completely new method until now, but it is not a method of physically killing bacteria but to deoxidize it to the original state.

This is the deoxidization method.

Therefore, the conclusion is that these two methods,

- ① **The method of volatilizing special atomic type compounds into the atmosphere and**
- ② **The deoxidization method of cutting harmful compounds into structures rather than physical sterilization**

and the elimination of bacteria or viruses present in space if both methods are not applied simultaneously.

TECHNOLOGE of STR-Solution

The technological superiority of ST-Radical

Radicals have a significant advantage as materials commonly used for sterilization.

OH Radicals have a sterilization power of about 2,000 times that of ozone after fluorine (F) and 180 times higher than UV light sources. As mentioned earlier, the history of radical has been quite long.

Radical, which is a good sterilizing material, is a very useful substance, but it has big disadvantages. This disadvantage refers to the survival, or persistence, of a substance called radical.

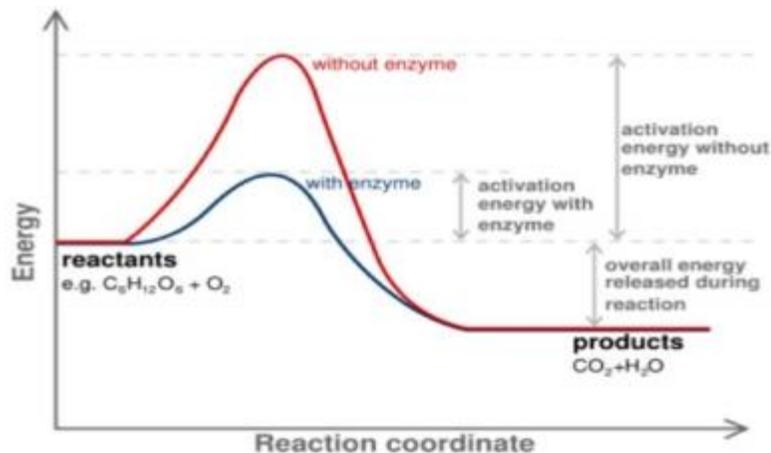
Due to the disadvantages many products apply the suction method at present. It adopts a method of cleaning the inside of the operating equipment by sucking pollutants in the atmosphere.

The ST radical solves these drawbacks technically, doubling the ability of radical atoms to be ejected into the atmosphere and to survive to every corner of the room.

Thus, our products, which were manufactured using ST radicals, were able to conduct all sterilization tests in a space-sterilized method.

This is not only the airborne bacteria floating in the air, but also the fall of bacteria and adsorbed bacteria that can be sterilized by our own atmospheric volatilization method.

Continuity of ST-Radical's atomic movement



Continuous function of atomic movement path



• Sterilization Test Report of STR-Solution

Bacteria name of sterilization test	National authorized sterilization test institution	Test result(%)	Target
CORONA VIRUS(MERS)	MICRO BAC(USA)	99.997%	human. animal
A TYPE INFLUENZA (H1N1)	MICRO BAC(USA)	99.9997%	human. animal
MRSA super vacteria (anti-bacteria-resistant bacteria)	KTR (Korea Testing & Research Institute)	99.99%	human. animal
Bioaerosol test	KTL (Korea Testing Laboratory)	81.3% (operate 1 hour)	human. animal
Floating virus test	KTL	83.3% (reduced 83% with 5 minutes of operation)	human. animal
E.COLI O157 Escherichia (food poisoning bacteria)	KTR	99.99%	human. animal
Salmonella (typhoid bacillus)	KTR	99.99%	human. animal
Bacillus pyocyaneus (denitrilfying bacterium)	KTR	99.99%	human. animal
Bacillus pyocyaneus (food spoilage bacteria)	KTR	99.99%	human. animal
Listeria virus (food poisoning virus)	KTR	99.99%	human. animal
Staphylococcus aureus (pyococcus)	KTR	99.99%	human. animal
Human-harmless test scores(cytotoxicity test)	GLP	NO cytotoxicity	human. animal
Co2(Carbon Dioxide) reduction test	KCL	30 minutes of operation resulted in 14% reduction	

- ◆ This test was conducted in a room chamber by atmosphere volatilization method for space sterilization effect of this product, not a sterilization test using a chemical or a suction filter.

Expecting Effect of STR-Solution

Risk of MERS virus

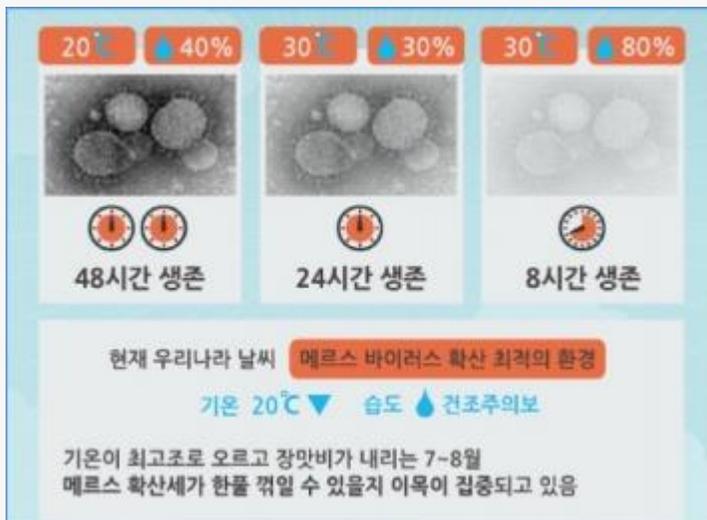
Types of harmful bacteria are usually divided into three types. Bacteria, viruses, and bacillus. The bacillus referred to here are fungi, collectively referred to as E. coli or fungi.

MERS is a virus, and its characteristics is that it can not survive without a host, whereas MERS can live more than 48 hours outside if the temperature and humidity are maintained. **This is why MERS is a big fear.**

This means that the MERS virus does not die when it comes out, but it becomes active when it is exposed to a secondary infection target after a long period of inanimate state.

This is why it is called zombie virus which drove the whole country into fear.

STR solution is the first and only technology product certified for MERS sterilization in Korea.



• Death by country by virus

Ebola



Death percentage of each species of virus

주요 전염 바이러스 비교

	중증급성호흡기증후군 사스	돼지인플루엔자(S) 신종플루	에볼라 출혈열 에볼라	중증호흡기증후군 메르스
바이러스	사스 코로나바이러스 (SARS-CoV)	돼지에서 발생하는 A형 인플루엔자 바이러스 중 H1N1형	에볼라 바이러스 (Ebola virus)	메르스 코로나바이러스 (MERS-CoV)
최초 발생	2002년 중국 광둥성	2009년 미국·멕시코	1976년 콩고민주공화국	2012년 사우디아라비아
발병 지역	중국·홍콩 등 아시아 일대	미국·멕시코 및 전세계 대유행	2014년 기니, 시아프리카로 확산	2014~2015년 중동, 아시아로 확산
감염 매개	야생 동물(추정)	돼지	박쥐	낙타
잠복기	2~7일	2~7일	2~21일	2~14일
치사율	7~10%	0.07~0.2%	50~70%	30~40%
주요 증상	고열·기침·호흡 곤란 등 폐렴과 유사	독감의 일종 증상. 고열·근육통·구토·설사	발열·두통·근육통·출혈 등	고열·기침·호흡 곤란 등 호흡기 증상
사망자 수 (누적)	776명 (2003년)	1만8천여명 (2010년 6월)	1만1천여명 (2015년 5월)	480여명 (2015년 6월 현재)
국내 사망		260명 (2010년 3월)		2명 (2015년 6월 2일)

자료/ 질병관리본부, 자료 종합 연합뉴스

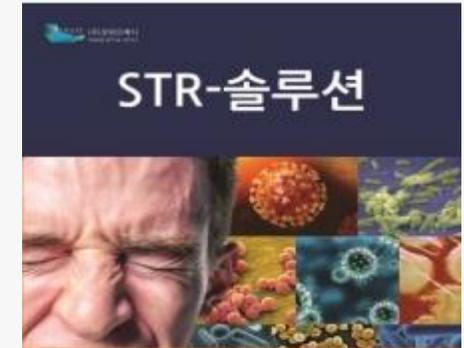
Flu virus

과거 인플루엔자 대유행 사례

	스페인 독감 (1918)	아시아독감 (1957)	홍콩독감 (1968~69)
최초 발병국가	유럽, 미국	중국	중국
병원체	독감 바이러스	독감 바이러스	독감 바이러스
확산경로	군부대의 이동경로를 따라 확산	학교, 집회 등을 통해 확산	군부대 요원의 이동에 따라 확산
특징	15~35세의 장년층이 많이 사망	주로 어린이와 노인들이 사망	미국에 큰 피해
사망자수	5,000만명 이상	200만명 이상	100만명 이상
감염국가	전세계	전세계	전세계

• Expecting Effect of STR-Solution

Press Release



공포스러운 바이러스 감염과의 전쟁

이제는 안심하세요!
메르스균, 슈퍼박테리아균
99.9% 이상 살균력 검증

기술혁신/공간살균기 (주)포워드메디

대기취산방식 공간살균기 'STR-솔루션' 출시

큰 공포심을 불러일으켰던 메르스, 사스, 신종 플루 등의 질환으로 전염병에 대한 경각심이 높아지고 있다.

이런 시점에 (주)포워드메디(대표 조창운, 2899-8171, www.zema.co.kr)가 살균·소취 효과가 우수한 고성능 공간 살균기 'STR-SOLUTION'을 출시하며 관련업계의 관심을 바꾸고 있다.

서울 감서구에 위치한 이 업체는 뛰어난 기술력을 자랑하는 건강의료기 전문 회사다.

'STR-SOLUTION'은 기존의 필터나 플라즈마 방식이 아니라 국내 유일의 대기취산방식을 적용한 혁신제품으로, 광속매 반응으로 생성된 원자 형태의 강력한 살균 물질 ST라티칼을 대기로 확산시켜 실내 구석구석까지 퍼지게 한다.

공인시험연구기관의 TEST를 마친 이 제품은 슈퍼박테리아와 H1N1(신종플루), 각 곰 부유 세균과 벽·천장·바닥·의류·음식물 등 3차원적 장소에 흡착된 살모넬라균·대장균·황색포도상구균·폐지오넬라균·곰팡이 등을



조창운 대표(오른쪽)와 이창진 부사장

99.9% 살균제거하는 것으로 나타났다.

또한 미국공인 시험연구기관에서 99.998% 메르스 살균력을 인증 받았고, 인체에는 무해하다는 세포 독성 실험까지 완료해 안전성을 검증 받았다.

조창운 대표는 "소취효과도 뛰어난 'STR-솔루션'은 30평형, 60평형 두 모델로 출시되는데 청정한 환경을 유지해야 하는 병원과 연구소, 노인 병원 및 요양원, 유치원, 도서관, 카페 등에 설치가 높고 있다"고 말했다.



OBS Special Reporting Data
Korea's first MERS certification product

Grand prize of Technology Innovation Competition in 2016



Certification . MERS CORONA VIRUS REPORT

Table 3
Viral Reduction

Test Agent	Contact Time	Replicate Number	Initial Viral Load* (Log ₁₀ TCID ₅₀)	Output Viral Load (Log ₁₀ TCID ₅₀)	Log ₁₀ Reduction	Percent Reduction
STR-Solution	1 hour	1	6.48	4.55	1.93	98.829%
		2		4.30	2.18	99.342%
		3		3.80	2.68	99.792%
		Mean Reduction				2.38
	2 hours	1	6.48	3.30	3.18	99.934%
		2		3.30	3.18	99.934%
		3		3.05	3.43	99.963%
		Mean Reduction				3.28
	4 hours	1	6.48	2.30	4.18	99.993%
		2		1.60	4.88	99.999%
		3		2.05	4.43	99.996%
		Mean Reduction				4.59

* Results represent the average of three replicates.

- Certification of STR-Solution

Certification . H1N1 REPORT(A TYPE INFLUENZA)

Table 3
Viral Reduction

Test Device	Contact time	Replicate Number	Initial Viral Load* (Log ₁₀ TCID ₅₀)	Output Viral Load (Log ₁₀ TCID ₅₀)	Log ₁₀ Reduction	Percent Reduction
STR-Solution	1 hour	1	6.40	5.55	0.85	85.8802%
		2		5.30	1.10	92.0599%
		3		4.55	1.85	98.5880%
		Mean Reduction				1.48
	2 hours	1	6.40	≤ 0.80	≥ 5.60	≥ 99.9997%
		2		≤ 0.80	≥ 5.60	≥ 99.9997%
		3		≤ 0.80	≥ 5.60	≥ 99.9997%
		Mean Reduction				≥ 5.60
	4 hours	1	6.40	≤ 0.80	≥ 5.60	≥ 99.9997%
		2		≤ 0.80	≥ 5.60	≥ 99.9997%
		3		≤ 0.80	≥ 5.60	≥ 99.9997%
		Mean Reduction				≥ 5.60

* Results represent the average of three replicates.

Certification of STR-Solution



Certification . MRSA REPORT(Super bacteria and each species of fungi)

YOUR PARTNER FOR THE BEST QUALITY

TEST REPORT

우 13818 경기도 과천시 교육원로 96 (충당동) TEL: 020294-0011 FAX: 020294-1008

신청서번호 : TRK-021191 접수 일자 : 2019년 12월 04일
 대표 자 : 고재광 시험완료일자 : 2019년 12월 15일
 업체명 : (주)우원도에디
 주소 : 서울특별시 강서구 가리공동로 163 3층 (화곡동, 세전아파트빌딩)

시 료 명 : V-SOLUTION

시험결과

시험항목	단위	시료구분	결과치	시험방법
살균시험(MRSA)	CFU/Ca	대조군(4시) (간 후)	8.8 × 10 ⁴	회색자계용
살균시험(MRSA)	CFU/Ca	시험군(4시) (간 후)	5.4 × 10 ⁴ (99.9%)	회색자계용

* 표준품
 - 표준품-Cobin, 15 × 51 cm
 - 시료의 위치 및 실험용 위치 -
 - M-고사점조

*** 배양
 - 약화자계용

**** 시험균주
 - Escherichia coli ATCC 25922
 - Staphylococcus aureus ATCC 6529
 - Salmonella typhimurium ATCC 15591
 - Pseudomonas aeruginosa ATCC 25922
 - Bacillus subtilis ATCC 6633
 - Listeria monocytogenes ATCC 39111
 - MRSA (Methicillin-Resistant Staphylococcus aureus) ATCC 22921

**** 감수율 (%) = [(A-B)/A] × 100
 - A : 대조군의 일정시간 후 생균수 (평균)
 - B : 시험군의 일정시간 후 생균수 (평균)

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- 다음 페이지 -

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2019년 12월 15일

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시 료 명 : V-SOLUTION

시험결과

시험항목	단위	시료구분	결과치	시험방법
살균시험(E. coli)	CFU/Ca	대조군(4시) (간 후)	2.0 × 10 ⁷	회색자계용
살균시험(E. coli)	CFU/Ca	시험군(4시) (간 후)	< 20 (99.9% 이상)	회색자계용
살균시험(S. aureus)	CFU/Ca	대조군(4시) (간 후)	4.9 × 10 ⁷	회색자계용
살균시험(S. aureus)	CFU/Ca	시험군(4시) (간 후)	3.8 × 10 ⁷ (99.9%)	회색자계용
살균시험(S. typhimurium)	CFU/Ca	대조군(4시) (간 후)	2.2 × 10 ⁷	회색자계용
살균시험(S. typhimurium)	CFU/Ca	시험군(4시) (간 후)	< 20 (99.9% 이상)	회색자계용
살균시험(P. aeruginosa)	CFU/Ca	대조군(4시) (간 후)	1.7 × 10 ⁷	회색자계용
살균시험(P. aeruginosa)	CFU/Ca	시험군(4시) (간 후)	< 20 (99.9% 이상)	회색자계용
살균시험(B. subtilis)	CFU/Ca	대조군(4시) (간 후)	7.4 × 10 ⁷	회색자계용
살균시험(B. subtilis)	CFU/Ca	시험군(4시) (간 후)	1.0 × 10 ⁷ (99.9%)	회색자계용
살균시험(L. monocytogenes)	CFU/Ca	대조군(4시) (간 후)	2.5 × 10 ⁷	회색자계용
살균시험(L. monocytogenes)	CFU/Ca	시험군(4시) (간 후)	6.0 × 10 ⁷ (99.9%)	회색자계용

- 다음 페이지 -

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Certification . Verification for Human harmlessness (Cytotoxicity test)

RESULTS (continued):

**Table 2
Cytotoxicity Control**

Dilution of the Neutralized Sample	Cytotoxicity Control
10^{-2}	no cytotoxicity observed in 4 out of 4 wells
10^{-3}	no cytotoxicity observed in 4 out of 4 wells
10^{-4}	no cytotoxicity observed in 4 out of 4 wells

Acquiring GLP(Good Laboratory Practice) International Certification, hosted by the Society of Quality Assurance (SQA), USA

1. National Livestock Research Institute (Government Agency)

1. As a countermeasure for continuous prevention of infectious disease – anti bacteria, anti virus effect
2. Remove odors from livestock excretion and the animal itself
3. Prevent contagious viruses infection

National Livestock Research Institute (34EA)(National Animal Hygiene Research Institute, Livestock Hygiene Research Institute, etc.)

Jeonbuk Livestock Research Institute, Jeonnam Disease Diagnosis Division, Livestock Products Safety Division, Foot-and-mouth diseases at Quarantine Division

2. Government Agency

1. National Livestock Research Institute and Quarantine Headquarters
2. Hampyung County Office, Anyang City Fire Station Infection Control Office, Anseong City, Ansan City Fire Station Infection Management Office, Osan City Unchon Elementary School
3. Defense related sector (Navy Headquarters Situation Room, Naval Academy)

3. Hospitals in the whole country

Contract with Daejeon City Medical Association (There will be a contract with Incheon City Medical Association in near future)

CheongA Hospital _ Intensive Care Unit and Operation Room, Semin Hospital, Jeonnam University Hospital, Semyung Pharmaceutical company storage rooms
TNTN hospital. Madi Orthopedic Surgery. Carris Nursing Home, Ulsan Hospital _ Intensive Care Unit and Operating Room, Jinju Korea Hospital _ Intensive Care Unit and Operating Room, Iksan Public Health Center, National Oriental Medical hospitals, Hyung Geun Park Department of Orthopedic Surgery, Sangil Orthopedic Surgery, Hyundai Orthopedic Surgery(Deokso-li), Jeong Gu Il orthopedic surgery, Songpa Jaeil orthopedic surgery, Icheon gwanwoo orthopedic surgery, Kim kyeong hun orthopedic surgery, Yeolin Yonsei orthopedic surgery, Danggogae orthopedic surgery, Busan Newborn Obstetrics and Gynecology, MiraeAl Women's Hospital, Woori Medical Management center, Min/Kim Dental Clinic, Jinju animal hospital, Jeju Prime Obstetrics and Gynecology, Metrono Dentist Clinic, Teeth&Beauty Dental Clinic, Noel Dentist Clinic, Seoul Dentist, Gangwha Dental Clinic, Seoul Seongbuk Dental Clinic, Lime tree dentist, Park Ki-ju dental clinic, Lee Ju-hyung dentist, Koo Cheol- in dental couple dental clinic, Onyungseok dental clinic, Kim Jin-young dental clinic, A plant dental clinic, Shin Sun-Seob dental clinic, Top dental clinic, Family dental clinic and other many clinics

- **Delivery Record of STR-Solution**

4. National Animal Hospitals & Department of Veterinary medicine at several universities

1. Department of Veterinary Medicine, Kangwon National University / Department of Veterinary Medicine, Konkuk University
2. Remove odors from livestock excretion and the animal itself
3. Prevent contagious viruses infection , animal hospitals and pet cafes all over the country

5. Special offer business division

1. Golfzon (screen golf)
2. Garden 5 wedding hall (buffet)
3. SK Broadband CS center
4. Conglomerate (Mirae Asset Insurance company)
5. Hospitals and food processing plant (clean room)

6. Food related facility

1. Mushroom farm (Jeonnam province)
2. Agricultural Products Storage Warehouse all over the country
3. Pig house (pig incubator at Jeonnam province)

7. Sales abroad

1. Middle East area (completed contracts with Saudi Arabia, United Arab Emirates Hospital and ambulance fields.)
2. Confirmation of export related to Chinese government agencies and crop cultivation
3. Hong Kong, Singapore (In business with escalator installment)

- **Delivery Record of STR-Solution**

8. Target Agencies in business

1. Hospitals all over the country (Operating room, intensive care unit, emergency room, artificial kidney room, dialysis room)
2. Mirae Asset (Completed product installation in Mirae Asset Life Insurance, business in progress with Mirae Asset Securities, Mirae Asset Fund)
3. Seoul Arts Center (purchase confirmed after registration by the Procurement Agency)
4. Fire Management Department (Ambulance and Air Charging Room)
5. Seoul City Hall National Kindergarden, city hall all over the country, courts, prisons
6. Expanding business area to mushroom farms across the country
7. Expanding business area to pig incubator across the country
8. schools all over the country (completed registration of school procurement agency)
10. Seoul Metropolitan Rapid Transit Corporation
11. Religious Society (Buddhism, Christianity)