

















We need 2.5 to f water and 17280 to f air a day.

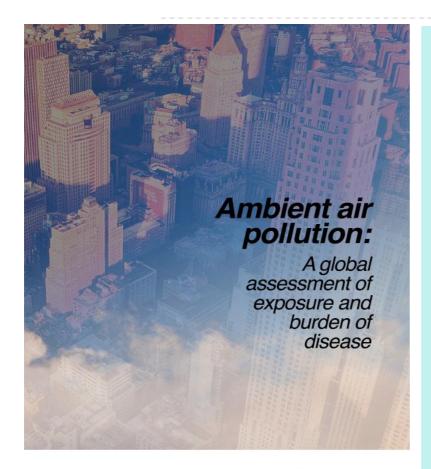
Do you care about Air you breath as much as water you drink?

Air sterilizing technology base on the principal of natural Purification, provides forest-like air everyday and everywhere.

AirVaccine creates safe and fresh air quality.

Change your Air Change your Life

Indoor Air Pollution







In new estimates released, WHO reports that in 2012 around 7 million people died – one in eight of total global deaths – as a result of air pollution exposure. This finding more than doubles previous estimates and confirms that air pollution is now that world's largest single environmental health risk. Reducing air pollution could save millions of lives.

- 7 million people died from air pollution
- Toxicity of indoor air is 5 times higher than outdoor
- Indoor air pollutants has 1000 times higher risk to reach our lung

Risk of Indoor Air Pollution

'세균이 둥둥' 서울 어린이집 17% 실내공기 오염 "다토다

"자동차 실내 세균, 화장실 변기의 26배"

조사대상 133곳 중 23곳 부유세균 등 기준치 초과

(서울=연합뉴스) 신재우 기자 = 서울시내 어린이집들이 실내 공기질 관리를 제대로 하지 않아 많은 세균이 공기 중에 떠다니는 등 공기 오염이 심각한 것으로 나타났다.

8일 서울시 보건환경연구원이 공개한 다중이용시설 실내공기질 측정결과를 보면 지난해 조사대상 어린이집 133곳 중 23곳(17,3%)의 실내공기가 법이 정한 기준치를 초과했다.





As a primary cause of indoor air pollution, the proportion of biological pollutants increased to 35~50%

- National Institute for Occupation Safety and Health (NIOSH)



Indoor bacteria such as Staphylococcus, Enterococcus and Pasteurella is well known for causing allergic diseases. For such a reason, it need to be eradicated.

- < Concentrations of total culturable microorganisms and Its Identification in Public Facilities > Byoung-Hak Jeon, In Young Hwang

Symptoms and Illnesses caused by Indoor Air Pollution



"According to WHO, 4.3 million people a year die from the exposure to household air pollution."

Retrieved from http://www.who.int/indoorair/en/

Retrieved from ◀

"Encyclopaedia of Occupational Health and Safety"

EYES

Dryness, itching/stinging, tearing, redness.

UPPER RESPIRATORY TRACT

(nose and throat)

Dryness, itching/stinging, nasal congestion, nasal drip, sneezing, nose bleed, throat pain.

LUNGS

Chest tightness, drowning sensation, wheezing, dry cough, bronchitis.

SKIN

Redness, dryness, general and localized itchiness.

GENERAL

Headache, weakness, drowsiness/lethargy, difficulty concentrating, irritability, anxiety, nausea, dizziness.

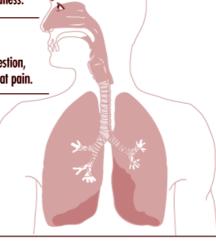
MOST COMMON ILLNESSES:

HYPERSENSITIVITY

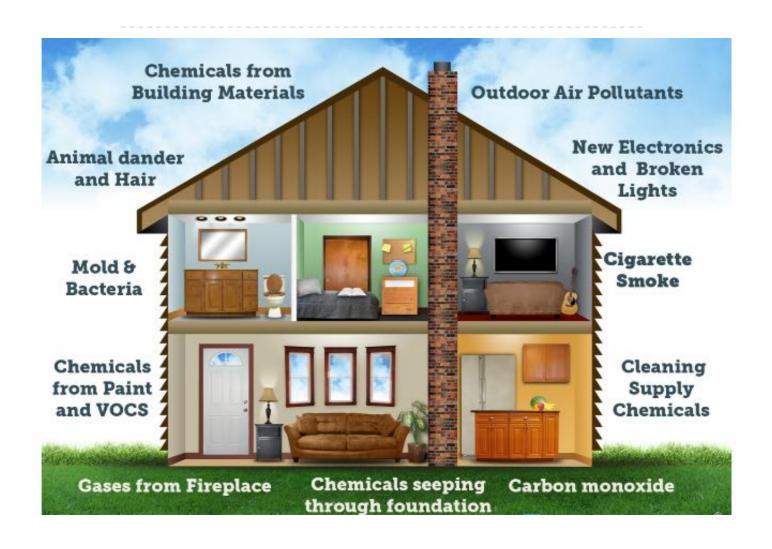
Hypersensitivity pneumonitis, humidifier fever, asthma, rhinitis, dermatitis.

INFECTIONS

Legionellosis (Legionnaire's disease), Pontiac fever, tuberculosis, common cold, flu. Of unknown chemical or physical origins, including cancer.

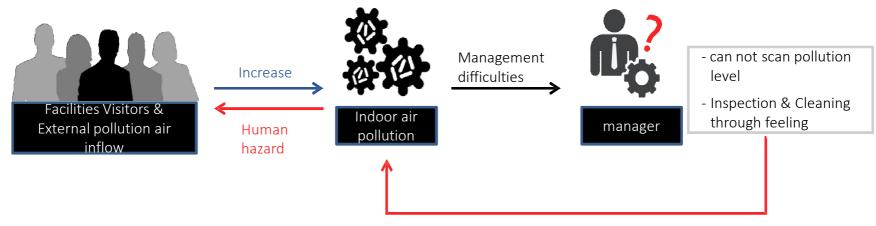


The Major Cause of Indoor Air Pollution



The Major Cause of Indoor Air Pollution

A vicious cycle of indoor pollution in multiple use facilities and homes



[Multipurpose facilities and household pollution sources]



System cooling and heating equipment heat exchanger



The drain plate Cooling & Heating system

vicious circle



The blowing fan of Cooling & Heating system

Natural Purification System

Technology of AirVaccine

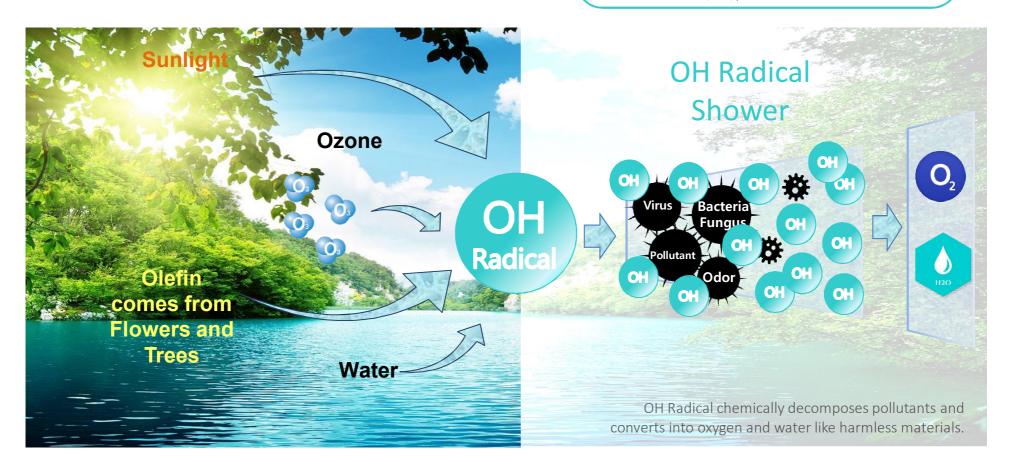
OH Radical

Is generated by the Sunlight, Ozone, water, and Olefin

The nature purifies the air by itself

The earth's atmosphere is an oxidizing atmosphere, the principal oxidants are O_3 , the OH radical, and H_2O_2 ...The OH radical has been referred to as the "tropospheric vacuum cleaner".

Retrieved from: Thompson A, M. (1992) The oxidizing capacity of the earth's atmosphere: Probable past and future changes. SCIENCE, 256, p1157-1165.

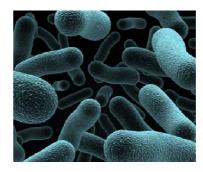


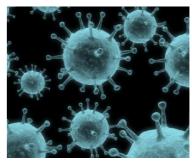
•About Technology

Technology of AirVaccine









Preparing for Chemical Warfare

High-Technology from UK DOD Natural Purification System

UK DOD developed air purification system

to prepare for chemical warfare.

This system has outstanding effects

to remove poisonous gases, infectious diseases,

respiratory allergies and various pollutants.



AirVaccine 015+

Specification of AirVaccine



AirVaccine 015+

Product Name : Air Sterilizing Purifier Model Name : AirVaccine 015+

Power Consumption: 2.4W Recommended usable Area

: about 120m²
Application : Household

Weight : 1.42kg

Size : 342 W X 146L X 241H

AirVaccine BAQA

Specification of AirVaccine



AirVaccine BAQA

Product Name : Air Sterilizing Purifier Model Name : AirVaccine BAQA

Power Consumption: 2W Recommended usable Area

: about 60m²

Application : Household/ Automotive

Weight : 350g

Size : 219 H X Ø 75

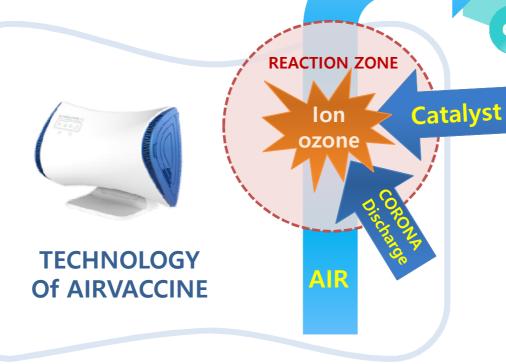
How AirVaccine works

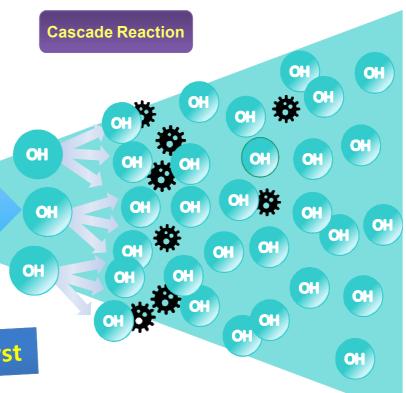
Technology of AirVaccine

Oxygen + Corona Discharge + Ion, Ozone + Catalyst(H₂O₂)

= Generate Optimal amount of

OH Radical





AirVaccine with high-technology generates enriched OH Radical and this OH radical chemically decomposes viruses, bacteria, VOCs, and fine-dusts in the airborne and on the surface.

AirVaccine cannot remove dusts themselves, but AirVaccine makes pollutants nonfunctional, decomposing the molecular of pollutants.

Features of AirVaccine 015+





Removing 99% of Viruses and Bacteria

Eradicate Viruses, Bacteria, and pollutants in the VOCs and Fine Dusts

Remove viruses(influenza and vaccinia), bacteria (Escherichia Coli, Pseudomonas Aeruginosa, Staphylococcus Aureus), and VOCs (ammonia, toluene, formaldehyde).

Features of AirVaccine 015+



2 Create Pleasant Environment

It uses natural purification technology to provide a safe and pleasant Indoor environment, neutralizes and eliminates unpleasant odors such as food, tobacco, and pets, and creates a pleasant air.



3 Low Maintenance Cost

Even if you use it every day for 24 hours, electricity costs about one dollar stand

Feel free to use with low maintenance costs.

Features of AirVaccine BAQA





Convenience to transfer and maintain

Portable device by miniaturization and low power technology.
(Available 24 hours when using 10000mAh portable auxiliary battery anytime and anywhere)

Features of AirVaccine BAQA



High level of removal performance for biological organisms

Can completely remove biological organisms such as viruses, bacteria, and fungus.



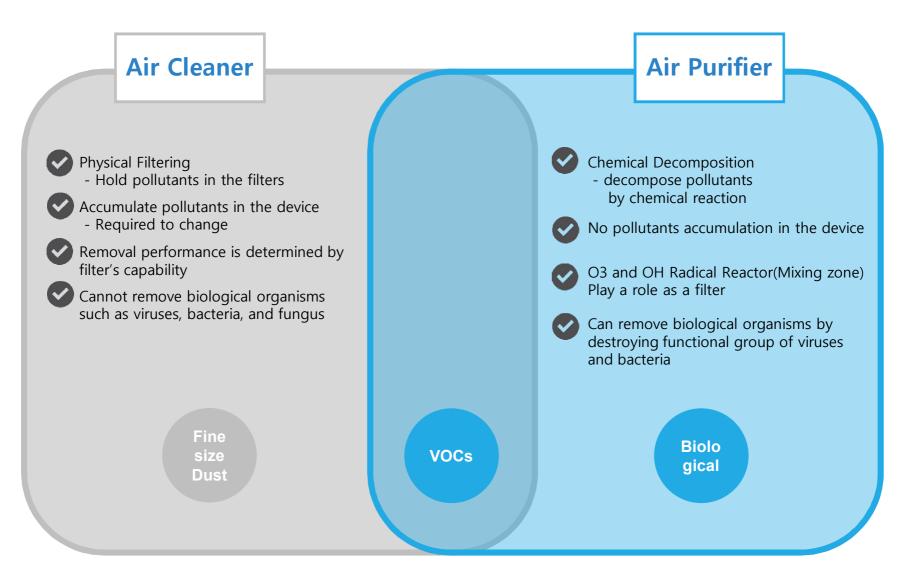
Design effects of the mood lamp

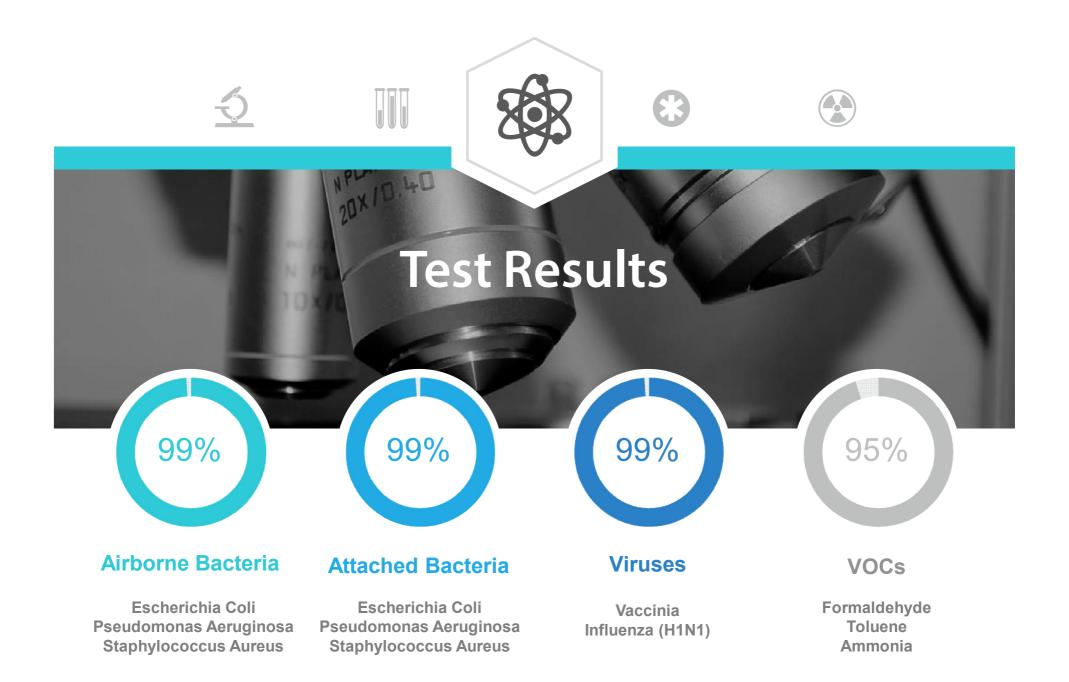
White, blue, green, and aqua color mood lamps provide the romantic atmosphere as well as the effect of interior design and psychological stability.



Comparison: Excellent Chemical Sterilizing

Excellent Sterilizing Ability



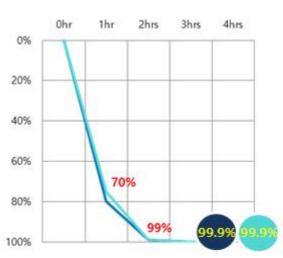


The test results are based on the results of Air-Vaccine015+.

Sterilization Test



Escherichia Coli



Pseudomonas Aeruginosa



Staphylococcus Aureus



6. Test Results

Test Items		Test Results			T	
			After operating Conc.(CFU/m²)		Test method	Testing Environment
Reduction test for Airborne microbes (Escherichia coll)	Air vaccine 015	1.0 × 10 ⁴	< 10	99.9		
Reduction test for Airborne microbes (Auchware auchine)	Air vaccine	1.4 × 10 ⁴	< 10	99.9	Client's requirement method	(23.1 ± 0.3) ℃ (49.6 ± 0.4) % √H
Reduction test for Airborne microbes (Sarhkamas aucas)	Air vaccine 015	1.1 × 10 ⁴	< 10	99.9		

- ₩ CFU : Colony Forming Unit
- ₩ Test strain : Escherichia coli ATCC 25922

Pseudomonas aeruginosa ATCC 15442 Staphylococcus aureus ATCC 6538

★ Chamber size : 8 m²

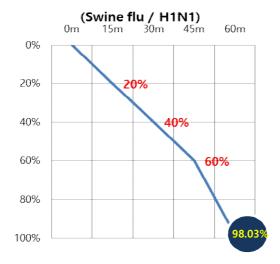
Chamber size: 8 m³

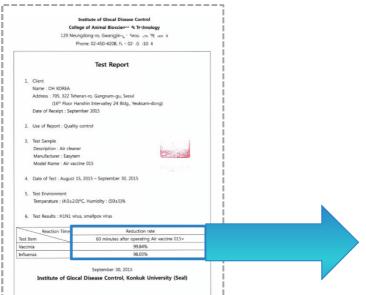
6. Test Results 1. (Attached bacteria test)

Test Items			Test Results			
		Early Conc. (CFU/mL)	After 4 h Conc. (CFU/mL)	Reduction rate of bacteria(%)	Test method	Testing Environment
Antibacterial test for Escherichia coli	BLANK	1.7 × 10 ⁴	1.7 × 10 ⁴	-	Client's requirement method	(37.1 ± 0.1) °C (33.9 ± 0.2) % RH
	Air vaccine 015	1.7 × 10 ⁴	< 10	99.9		
Antibacterial test for Radrows artifical	BLANK	1.8 × 10 ⁴	1.8 × 10 ⁴	_		
	Air vaccine 015	1.8 × 10⁴	< 10	99.9		
Antibacterial test for Satykooms ares	BLANK	1.4 × 10 ⁴	1.4 × 10⁴	_		
	Air vaccine 015	1.4 × 10 ⁴	< 10	99.9		

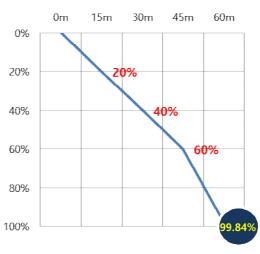
Virus Test

Influenza Viruses



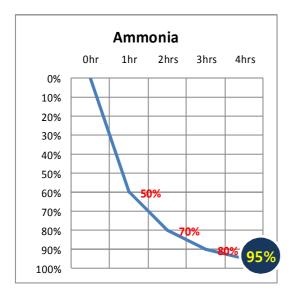


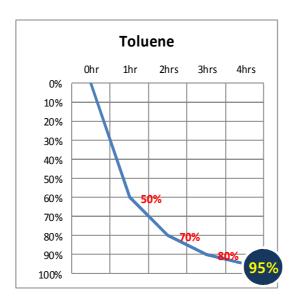
Vaccinia Virus

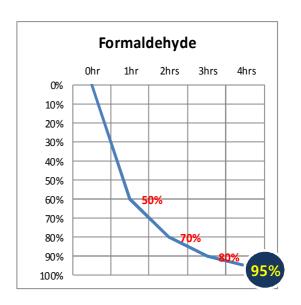


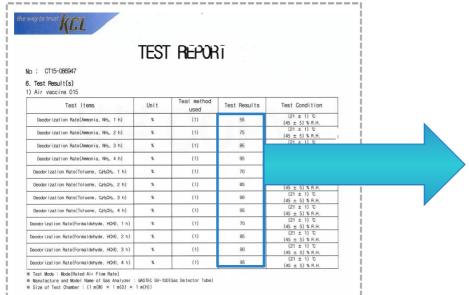
Influenza (H1N1) 98.03% Removed
Vaccinia 99.84% Removed

Deodorization Test









Deodorize 95%

Ammonia, Toluene and Formaldehyde

Patent and ISO 9001, 14001 (Quality Service)

Patent and Certification



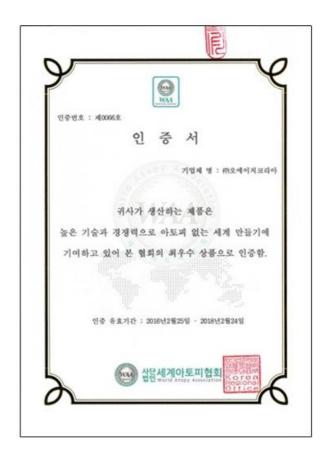




Atopic Certification (Air Sterilizer Products' Part)

Certification

















Creation and Innovation Awards

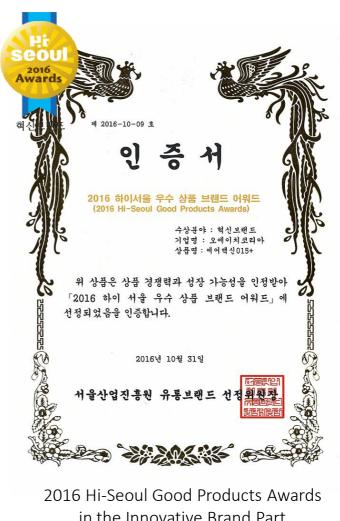
Awards





2015 Creation and Innovation Awards In the Future Creation Science Part

& Hi-Seoul Good Products Awards



in the Innovative Brand Part

Application of AirVaccine



Children who have weakened immune system



Seniors who has respiratory diseases



Who suffers by sick house syndrome



Who has fur allergies from pets



Who suffers by atopy and allergic rhinitis



Where a number of pathogenic bacteria live



Pregnant women who need a protection from viruses



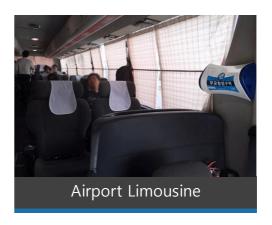
Students who need some fresh air to study

Public Places

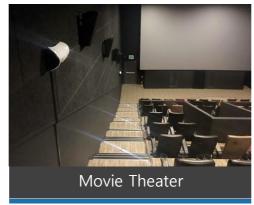
Installed places of AirVaccine







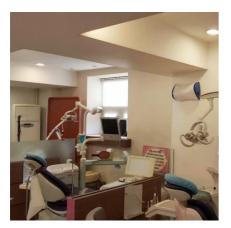






Medical Institutions

Installed places of AirVaccine





Hospital

Operating Room
Intensive Care Unit
Veterinary Clinic





Medical Institutions

University Hospital
O & G Clinic
Pediatric Hospital
Dental Clinic





Educational Institutions

Installed places of AirVaccine













Over 30

Schools and Private Educational Institutions

Universities, High Schools, Junior High Schools Elementary Schools, Training Facilities of Soccer Teams, Language Institutes, Academies, and etc.

Educational Institutions : Kindergarten

Installed places of AirVaccine





In Gangnam

Over 40% Kindergartens

Over 400 National, Public, Private and Workplace Kindergartens.



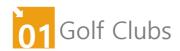






Business places

Installed places of AirVaccine

























Business places

Installed places of AirVaccine









Enterprises, Resorts, Outlets, Individual business places, Restaurants, Gyms, Stores, and etc.















Department Stores & Duty Free Shops

Installed places of AirVaccine

















Hotels

Shilla Stay and Over 20 Hotels

Pure Smile Package With AirVaccine





공기청정기가 설치된 청정룸





에어백신 015+

영국 국방성 기술로 개발된 강력한 공기살균청정기 세계최초 아토피 인증 획득 (공기살균기제품)











Hotels

MBN

신라스테이, 미세먼지 걱정 없는 '청정 객실' 패키지 🚨 프린트 🗵 🗵



2016-03-14 09:30



↑ [사진 제공 : 신라스테이]

호텔신라의 비즈니스호텔 브랜드 신라스테이가 미세먼지와 황사가 많은 봄철을 맞아 청정 객실을 선보였다. 14일 호텔신라에 따르면 신라스테이는 청정 객실에 수술실이나 신생아실에서 사용하는 공기정화시스템을 도입하고 객실에는 보습 전문 스킨케어 제품을 비치했다.

청정 객실과 스킨케어 키트를 포함한 '퓨어 스마일' 패키지는 ▲공기정화 시스템이 설치된 패밀리 트윈 객실 1박 ▲뷔페레스토랑 카페(cafe) 조식 2인 ▲독일산 스킨케어 브랜드 '사노산' 여행용 키트 ▲손 소독제로 구 성됐으며, 다음달 말까지 신라스테이 동탄 14만3000원(10% 세금 별도)부터, 신라스테이 제주 16만1000원 부터 이용할 수 있다.

신라스테이 동탄과 제주는 또 영유아 동반객을 위해 잉글레시나 유모차와 해님 젖병 소독기, 베이비홈 침대 안전 가드같은 유아용품 대여 서비스도 실시한다. [디지털뉴스국 배윤경 기자]

[ⓒ 매일경제 & mk.co.kr, 무단전재 및 재배포 금지]

HOME > 생활/건강 > 생활

언제나 안전하게 숨 쉴 수 있는 공간 '에어백신룸'

음 김고은 기자 | O 승인 2016.03.23 12.57

미세먼지 안심 구역, 에어백신015+ 설치 공간 늘어 【베이비뉴스 김고은 기자】



신라스테이, 맘스클래스 등 실내 공기 관리를 중요한 서비스 요소로 꼽는 여가, 단체 시설에서 에어 백신015+를 통한 고객들의 좋은 반응을 얻고 있다. ⓒ오에이치코리아

미세먼지에 의한 대기 오염이 날로 심각해지고 있다. 생활 속 미세먼지 차 단을 위한 깊은 주의가 요구되는 시기다.

몸을 깨끗이 씻는 것으로 어느 정도의 질병 차단이 가능한 황사와 달리 미 세먼지는 더 세심하고 복합적인 관리가 필요하다. 입자가 아주 작은 황산 염, 질산염, 암모니아, 금속화합물, 탄소화합물 등 물질이 폐로 들어가 호흡 기 질환을 발생, 악화시킬 수 있으니 다각도의 주의를 기울여야 한다.

실외 활동 시 마스크를 쓰는 것만으로는 미세먼지에 의한 질병을 예방하기 어렵다. 밖에서 묻은 옷과 몸의 미세먼지가 실내까지 오염시키기도 하고, 실내에서도 여러 가지 원인으로 미세먼지가 발생하기 때문에 평소 실내 공 기 정화에 신경을 써 주는 게 좋다.

Main Partners











































































































































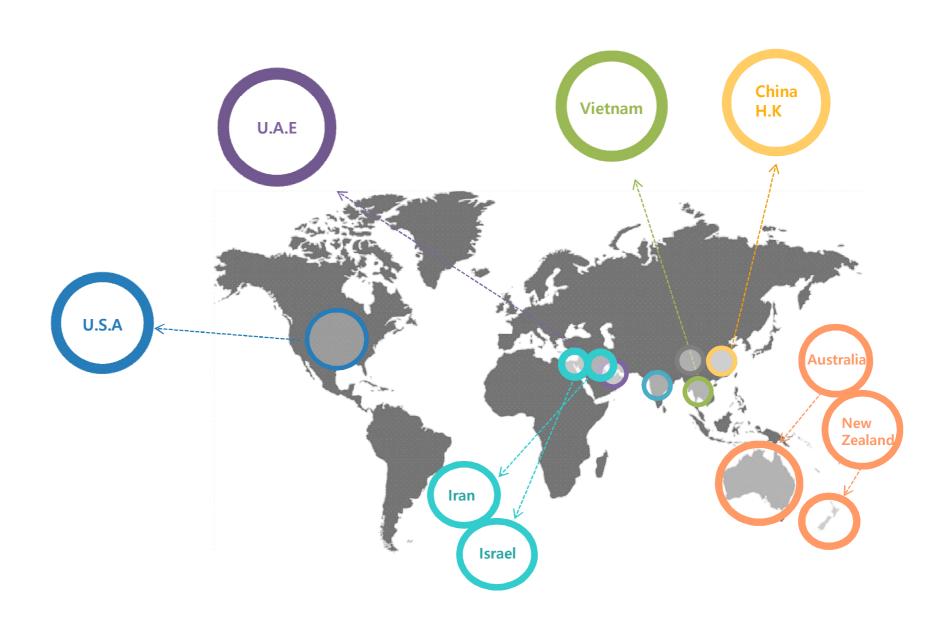








Exportation



About Company

Vision & Mission

Vision

Support healthy life by removing pollutants in the air

Health

Remove pathogens in the air With using natural purification system





Environment

Lead to make Healthy and clean life environment



Innovation

Improve human health with innovative technology



OH Korea

According to WHO (World Health Organization), millions of people die from indoor air pollution every year, and the harmfulness of indoor air pollution is much more fatal than outdoor air pollution. Thus, our home is not safe anymore.

Our Mission 2

OH KOREA will protect you from the harmful substances with Air-Vaccine and will provide safe and fresh air for your family.

Young Seok, An

Representative Director, Hanaro Medical Foundation Representative Director, Health Screening Center Units of Cha Medical Center Group

Corporate director, World Human Bridge, Inc. Member of North –South Cooperation Committee, National Tuberculosis Association



Sterilizing air is not an option. It is essential for healthy life.



