

Taiwan-Thailand Manual of Business Opportunities Derived from Fighting Against COVID-19



駐泰國台北經濟文化辦事處
Taipei Economic & Cultural Office in Thailand

More information available at: <http://XCOVID-19.Taiwan-Thailand.Net>

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Introduction

(1) The purpose of the Manual:

During the current challenging crisis of the COVID-19 pandemic, Taiwan is fortunate and the impact on Taiwan's daily life is relatively minor, thanks to early and active campaign to diagnose, track, isolate and mitigate cases in Taiwan. Taiwan has one of the world's top health care systems, strong research capabilities and transparent information that we actively share with both the public and international bodies. Indeed, Taiwan has effectively managed the containment of the corona-virus within our borders. Yet on a global level, COVID-19 is a humanitarian disaster that requires the joint efforts of all countries.

Therefore, Taiwan is willing and able to utilize our strengths across manufacturing, medicine and technology to work with Thailand to fight against COVID-19. Taiwan can help in terms of not only donating critical medical materials, but more importantly sharing management experience of public health system as well as technology to contain the COVID-19 pandemic, including at least traditional medical technology and innovative AI technology.

Therefore, Taipei Economic & Cultural Office in Thailand(TECO) compiled "Taiwan-Thailand Manual of

Business Opportunities Derived From Fighting Against COVID-19” to enhance the information sharing regarding how to fight against this most serious pandemic within the last hundred years. The Manual has two main parts.

The first part includes summarized key points and materials of a series of online seminars co-hosted by TECO and medical stakeholders in Thailand, wherein experience exchanging of better solutions to fight against the pandemic.

The second part is compiled as a Taiwan business directory covering wide range of products/services/solutions which are helpful for pandemic prevention, screening, testing and treatment etc. The Manual is also aimed at promoting business opportunities of innovative and advanced technology applied to fighting against of COVID-19 and prevention of the spread between Taiwan and Thailand.

(2) TaiwanFDI

Taipei Economic & Cultural Office in Thailand established an investment single window LINE account TaiwanFDI to better serve investment consulting between Taiwanese and Thailand companies. The scope of services includes investment consulting, business match, and any assistance regarding technology upgrading and other services. TaiwanFDI also provides Taiwan and Thailand companies

a platform for various industries. We welcome Taiwanese and Thailand companies to search TaiwanFDI, and there will be someone to provide consulting services and related assistance for free. A quick link: <https://line.me/ti/p/41fvXymsJ>.

TaiwanFDI
台泰雙向投資服務

台泰雙向投資服務Line帳號：📞TaiwanFDI
駐泰國代表處設立台泰雙向投資服務Line帳號
TaiwanFDI・同步服務台灣企業與泰國企業雙向
投資諮詢，服務範圍包括投資諮詢、交流考察、
媒合商機與協助台商技術升級等服務項目。
歡迎台灣企業與泰國企業搜尋Line帳號
TaiwanFDI・會有專人免費提供諮詢服務

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1. A Series of Online Seminars of Anti-Pandemic

As the epidemic situation of COVID-19 continues to escalate all over the world, Taiwan's epidemic prevention efforts and achievements have widely received attention and recognition from the world. In order to enhance exchanging and cooperation on anti-epidemic issues between Taiwan and Thailand, Taipei Economic & Cultural Office in Thailand (TECO) has been co-hosting a series of online seminars of Taiwan's medical technology and business opportunities against COVID-19 with Taiwan medical stakeholders.

During the on-line seminars, speakers and participants shared the experience of Taiwan's government and civil anti-epidemic approaches, and exchanged views regarding how Taiwan utilized scientific and technological advantages and industrial innovation to manufacture medical equipment and technological products required for epidemic prevention, and create the systems and services in demand to accommodate new life style under the COVID-19.

The stakeholders participated in these seminars include Taiwan's National Health Research Institutes, Global Brands Management Association, Biomedical Technology & Device Research Laboratories of Industrial Technology Research Institute(ITRI), New Taipei City Biotechnology Alliance, and Institute for Information Industry(III).

To make a good use of fruitful outcomes derived from the

seminars, TECO has uploaded the videos of the seminars through cloud service. You may access all news releases and videos of seminars from the website: <http://XCOVID-19.Taiwan-Thailand.Net>. Summarized information of individual seminar is outlined as below:

1.1 Seminar on Taiwan's Technology and Medicine Against COVID-19

(1) Time: April 10th, 2020

(2) Host of the seminar: Dr. Chen-Yuan Tung, Taiwan's Representative to Thailand, TECO

(3) Speakers:

- Chairman Shiing-Jer Twu, Development Center for Biotechnology
- Pei-Shin Jiang, Deputy Director, Precision Medicine & Diagnostic Technology Division, ITRI
- Dr. Simon Shih-Hsien Chuang, Deputy director, Institute of Pharmaceutics, Development Center for Biotechnology

(4) Outline:

In order to control the COVID-19 epidemic, Taiwan's biomedical industry, government, research institutes have been working together in the development of diagnostic and therapeutic drugs. This session will introduce the current progress and future cooperation opportunities.

(5) Webinar link:

- <https://reurl.cc/ard2vG>

(6) Contact for further inquiries:

- Ms. Sylvia C. M. Lin
- Tel: 886-2-2655-8133 ext.103
- Email: ylvia@biopharm.org.tw

1.2 Seminar on Taiwan's Industry and Solutions against COVID-19

(1) Time: April 14th, 2020

(2) Host of the seminar: Dr. Chen-Yuan Tung, Taiwan's Representative to Thailand, TECO

(3) Speakers:

■ Chairman Louis Chen, Global Brands Management Association

■ Chii-Wann Lin Vice, President and General Director, Biomedical Technology and Device Research Laboratories, ITRI

(4) Outline:

The Industrial Technology Research Institute (ITRI) has devoted efforts and resources in keeping up with the pace of COVID-19 pandemics since early this year. In this talk, we will share our development in prevention and screening tests toward available products to fight the disease as partner of the global community.

(5) Webinar link: <https://reurl.cc/518WE7>

(6) Contact for further inquiries:

■ Ms. Zoe Lee

■ Tel: 886-3-5912123

■ Email: ZoeLee@itri.org.tw

1.3 Seminar on Taiwan's Medical Technology & Business against COVID-19

(1) Time: April 16th, 2020

(2) Host of the seminar: Dr. Chen-Yuan Tung, Taiwan's Representative to Thailand, TECO

(3) Speakers:

- Prof. Chung-Liang Chien, CEO, Institute for Biotechnology and Medicine Industry
- Mr. Y. S. Kuo, Chairman, New Taipei City Bio-Medical Alliance Association
- Ms. Tonia Hsiao, International Market Sales Manager, EBM Technologies

(4) Outline:

Taiwan has been able to weather the Covid-19 outbreak due to strict preventive measures taken ranging from supply chains to travel bans. In this session we will be looking at Taiwan's experience and success in emerging technologies, manufacturing, intelligent solutions and post-pandemic opportunities spurred by the global coronavirus pandemic.

(5) Webinar Link: <https://reurl.cc/8Gqv7y>

(6) Contact for further inquiries:

Institute for Biotechnology & Medicine Industry (IBMI)

Tel: 886-2-2655-8168 ; 886-2-2655-7888 ext. 616

Email: ibmi@ibmi.org.tw

1.4 Seminar on NHRI's Solutions against COVID-19 in Taiwan

(1) Time: April 17th, 2020

(2) Host of the seminar: Dr. Chen-Yuan Tung, Taiwan's Representative to Thailand, TECO

(3) Speakers:

■ President Kung-Yee Liang, National Health Research Institutes, NHRI

■ Director Chiung-Tong Chen, Institute of Biotechnology and Pharmaceutical Research

■ Dr. Shih-Jen Liu, Chief Executive Officer, National Institute of Infectious Diseases and Vaccinology

■ Dr. Chien-Hsiung Pan, Associate Investigator, National Institute of Infectious Diseases and Vaccinology

(4) Outline:

National Health Research Institutes (NHRI) conducts mission-oriented medical research and investigate many aspects of the biomedical sciences. NHRI has devoted efforts and resources in keeping up with the pace of the COVID-19 pandemics since early this year. In this talk, we will share our development in drug, vaccine, and rapid tests toward available products to fight the disease as partner of the global community.

(5) Webinar Link: <https://reurl.cc/oL04D1>

(6) Contact for further inquiries:

Mr. Gootle Chen

Tel: 886- 37-206166 ext 33019

Email: gootle@nhri.org.tw

1.5 Seminar on Taiwan's Technology Solution Against COVID-19

(1) Time: April 17th, 2020

(2) Host of the seminar: Dr. Chen-Yuan Tung, Taiwan's Representative to Thailand, TECO

(3) Speakers:

- Dr. Louis Chen, Chair, Global Brands Management Association

- Albert Lee, CEO, BriseCare

(4) Outline:

- Taiwan model: The technology power against covid-19

- Future health industry: Taiwan software enterprise and solutions for future health industry

(5) Webinar Link: <https://reurl.cc/GVeyzv>

(6) Contact for further inquiries:

- Mr. Albert Lee

- Mobile: 886-921-190-632

2. Business opportunities of anti-pandemic

Taiwan rapidly applies medical innovation capabilities to epidemic prevention work, highlighting Taiwan's overall epidemic prevention and integration capabilities. Many Taiwan institutes and businesses are currently working to help Taiwan improve its overall epidemic prevention capabilities and technical equipment through the combination and application of traditional and innovative technologies. The efforts include combined with artificial intelligence, Internet of Things, and providing more accurate human identification and thermal sensitivity, using traditional medicine to develop anti-epidemic cleaning and disinfection supplies, such as hand washing, disinfection liquid.

TECO therefore compiled the second part of the Manual as a Taiwan business directory to enroll companies and institutions which provide medical materials and technologies that Thailand can use for reference to promote the exchange and cooperation in epidemic prevention between Taiwan and Thailand. It covers wide range of products/services/solutions which are helpful for pandemic prevention, screening, testing and treatment etc. The information is aimed at promoting business opportunities of innovative and advanced technology applied to fighting against of COVID-19 and prevention of the spread between Taiwan and Thailand.

2.1 Taiwan External Trade Development Council (TAITRA)

(1) Introduction of the services/product/technology/system against Covid-19:

Taiwan's medical care system has been widely recognized globally for its exceptionally high standards of public health and epidemic prevention networks, and also for its medical products. Exports from Taiwan's medical device industry reached approximately US\$3.3 billion in 2019, and is expected to be in the top 20th in export value in the world.

In 1993, Taiwan's government established the Taiwan Excellence Awards, and award-winning products represent the very best of Taiwan's most outstanding products, selected through a vigorous competition process that focuses on products which offer quality, design and innovation for customers. This year, there are 37 winners for Taiwan Excellence Awards in the medical related category.

Moreover, TAITRA recently launched a special showcase featuring anti-epidemic products via Taiwantrade.com. The showcase features high quality supplies including medical consumables, hospital & ward nursing equipment, clinical & general diagnostics, medicines & pharmaceutical, and health supplement. Please view the website below for the most popular and bestselling epidemic prevention products in Taiwan: <https://anti-epidemic.taiwantrade.com/>

(2) Contact for further inquiries:

- Name and Title: Ellie Wang, Manager of Digital Commerce Dept. TAITRA.

- Telephone: +886-2-27255200#1799
- E-mail: ellie@taitra.org.tw

2.2 Advanced Filtration Center, Taiwan Textile Research Institute

(1) Introduction of the services/product/technology/system against Covid-19:

The Advanced Filtration Center was established by the Taiwan Textile Research Institute (TTRI), which integrates the relevant resources of TTRI, including the filtration laboratory, relevant certification and trial production services. We help clients to develop new filtration products, the rapid quality testing services, and consulting services. The test items we provide are as follows:

- (A) HVAC Air filter test: Initial resistance, efficiency, dust holding capacity and filter classification for HVAC filter.
- (B) HEPA/ULPA air filter testing: Initial pressure drop, initial efficiency and filter classification for HEPA/ULPA filter.
- (C) Cleanable filter media testing : Test method for filtration characterization of cleanable filter media.
- (D) PM2.5 mask
- (E) Automotive filter testing: Cabin air filter, engine intake air filter and oil filter.
- (F) Pore size analysis: Bubble point, pore size distribution, mean pore size.
- (G) Medical face mask
- (H) Surgical Clothing and Drapes: Performance requirements for surgical clothing and drapes.
- (I) Antibacterial testing
- (J) Anti-mite testing: Testing for the efficiency of products against house dust mite- ISO 21326 / JIS L1920

(2) Contact for further inquiries:

- Name and title: Ms. Sabrina Wu, Project Manager, Textile Industry Promotion Section, Taiwan Textile Research Institute
- Telephone : +8862 2391 9109 ext. 102
- Email : mhwu@tipo.org.tw
- Line : meihua-sabrina

2.3 Biomedical technology and Device Research laboratories

(1) Introduction of the services/product/technology/system against

Covid-19: Portable Intelligent Rapid Molecular Diagnostic System :

Instead of the regular Polymerase Chain Reaction (PCR) systems with thermocycler for heating and cooling, ITRI uses innovative heating control methodology to fulfill rapid temperature control and perform both DNA and RNA amplification with a portable and easy-to-operate PCR system. With an innovative design optical detection module, the whole system can achieve qualitative or semi-quantitative rapid detection for PCR within 30 minutes.

(2) Contact for further inquiries:

- Name : Ting-Shou Chen
- Telephone : 8863 5912143
- Email : CTS@itri.org.tw

2.4 EBM Technologies

(1) Introduction of the services/product/technology/system against Covid-19:

To fight with COVID-19 pandemic, we will provide 3 teleradiology solutions in Thailand. They are MobiPACS, Rad@ and UDE. These products have great mobility in common. We offer radiologists trustable tools for diagnosis so that they can continue the medical services during nationwide lock-down. Patients will be treated on time. Additionally, these products can be installed easier and faster. Hospitals can use the products “ASAP”. Furthermore, these products are not only one-time investment. We can expand the products and integrate with AI technologies in the future.

Rad@ Turn your iPad Pro into the Medical Display

ใช้ iPad Pro + ebm Rad@ ช่วยให้การอ่าน Tele จากนอกโรงพยาบาลเป็นเรื่องง่ายจริง ๆ

FDA Clearance
Lossless Compression
Vendor Neutral
Dual-Monitor Solution
DICOM GSDF-Calibrated

Rad@ คือ อะไร ?
Rad@ คือ Application บนระบบปฏิบัติการ Apple iOS ซึ่งพัฒนาโดยบริษัท EBM Technologies เพื่อเพิ่มความสามารถ iPad Pro ให้กลายเป็นจอสำหรับวินิจฉัย (Medical Display) ทำให้รังสีแพทย์สามารถขยายการใช้งานจากเดิมบนหน้าจอ Notebook หรือจอทั่วไป ไปใช้งานเพิ่มเติมบนจอ iPad Pro ได้ โดย Rad@ ได้รับ U.S. FDA Class II Certification เพื่อใช้สำหรับการวินิจฉัย เมื่อใช้งานร่วมกับ iPad Pro ดังนั้นการใช้ Rad@ Application จึงเทียบเท่ากับการใช้จอ Diagnostic Color Display ที่มีความละเอียด 3 ล้านพิกเซล

Rad@ เหมาะกับงาน TeleRadiology อย่างไร ?

- 1) Rad@ ประหยัดกว่า รังสีแพทย์ไม่ต้องลงทุนซื้อจอ Medical grade แพง ๆ ไว้ที่บ้าน
- 2) Rad@ เมื่อใช้งานร่วมกับ iPad Pro ทำให้ติดตั้งง่าย พกพาสะดวก น้ำหนักเบา
- 3) Rad@ สามารถใช้งานร่วมกับ PACS Viewer และ RIS (Windows-based) ยี่ห้อใดก็ได้
- 4) Rad@ รองรับความละเอียดได้ 3 ล้านพิกเซล และ ภาพที่แสดงเป็นแบบ Lossless format
- 5) Rad@ รองรับการใช้งานร่วมกับ iPad Pro ได้พร้อมกัน 2 เครื่อง และ รองรับ DICOM GSDF

MD HEALTHCARE ebm

(A) MobiPACS: an iOS-based App. This mobile PACS will offer radiologists to view image and report on either cellphone or

tablet. This APP had been approved by FDA Class II and the transmission of data is very speedy.

(B) Rad@: It is an innovative idea to turn iPad Pro into a medical display. The traditional medical display is big and heavy. Radiologists are unable to move them around. With Rad@, they can view the image and write report anytime and anywhere. The application can be used not only from home or hotel, but also in hospital, Healthcare Center, Clinic and Research Center. This product is also FDA class II cleared with great image quality and extendable AI integration.

(C) UDE: an iOS-based APP. This APP converts iPad Pro into a standalone server, viewer and display, all in one. The concept

FIGHT COVID-19

บริษัท MD Healthcare ร่วมกับบริษัท EBM Technologies ยินดีมอบ ส่วนลด ซอฟต์แวร์ Rad@ เป็นกรณีพิเศษ พร้อมให้บริการติดตั้ง และ Calibration ฟรี ! เพื่อช่วยให้รังสีแพทย์ทั่วประเทศ สามารถวินิจฉัยภาพ DICOM และ อ่านผลผ่านระบบ Teleradiology Services ได้อย่างสะดวก แม่นยำ และมีประสิทธิภาพสูงสุด ในช่วงวิกฤติ COVID-19

MD HEALTHCARE

TeleRadiology

ebm
Connecting Healthcare

comes from improving the existing workflow to make server and display more portable and affordable. This solution is very flexible and expandable. It can be applied not only for teleradiology but also Small size clinic and screening bus in rural area. The product is able to integrate with AI models to assist efficient and accurate detection.

Overall, we hope to help the Thai hospitals to provide medical services at their original pace, without compromise to the inconvenience caused by COVID-19 pandemic. Taiwan can help. And Taiwan is helping.

(2) Recommended by: Institute for Biotechnology and Medicine Industry

(3) Contact for further inquiries:

- Name and title : International Sales Manager Tonia Hsiao
- Telephone : +886932697467
- Email : tonia@ebmtech.com
- Line : toniahsiao

2.5 Kally Electronics Industrial Corp

(1) Introduction of the services/product/technology/system against Covid-19:

Kally Electronics Industrial Corp is a domestic professional Electronic and Bio-Technology Company more than 35 years in Electronic products and now also in producing Kally99 (剋菌 99) as Gaseous Chlorine Dioxide (ClO₂) products which is and extraction completely from natural sea salt, it is stabilized, safe harmless, non-toxic, no residue as well. Because of panic worldwide contagious diseases and virus, such as Severe Acute Respiratory Syndrome, Enterovirus, Avian influenza, SARS, Ebola, maintain AIDS patient situation...etc. Our product Kally99 product series is a sanitizer with high performance (ClO₂), possesses the greatest characteristics to disinfect the air at room temperature and does not generate carcinogen of Trihalomethanes. Chlorine Dioxide (ClO₂) which had been confirmed by Food and Drug Administration (FDA) as well as Environmental Protection Agency (EPA) as an ideal oxidant of disinfection, sanitation, deodorization, degradation of Bio-chemical Oxygen Demand and Chemical Oxygen Demand. Chlorine Dioxide can be applied to many fields, including food processing, medical sanitation, tap water, environmental protection, industrial circular water usage, sewage treatment, etc. Meanwhile, Chlorine Dioxide (ClO₂) also have some features, like the long medicinal effect, avirulence, and Eco-friendly. The sanitizer with ClO₂ is very safe during the processing and is recommended by World Health Organization (WHO) as A1 class with high performance and as “the fourth generation” green sanitizer.

(2) Recommended by: SNQ Certification Center, Institute for

Biotechnology and Medicine Industry

(3) Contact for further inquiries:

- Name and title : Kally Jan (Managing Director)
- Telephone : +886- 2- 2325 0760 (Rep.)
- Email : kallytwn@kally.com.tw

2.6 Aerolead International Ltd

(1) Introduction of the services/product/technology/system against Covid-19:

No unpleasant or pungent odor like other disinfectant. Extreme concentrated formula can be diluted by 250 times. This disinfectant is often used by governmental epidemic prevention department. It is approved by Taiwan Environmental Protection Administration, EPA MP No. 1183. When there's typhoon, flood, earthquake or epidemic disease, this is the best for prevention and killing disease. Will kill these effectively: Escherichia coli, Pseudomonas aeruginosa, Salmonella choleraesuis subsp. choleraesuis, Staphylococcus aureus subsp. aureus, Aspergillus niger, Bacillus cereus...etc. Disinfection result >99.9% Can restrain the reproduction and growth of any indomitable bacteria, mold, fungus for a long period of time. It is a must have domestic disinfectant. No matter for bathroom equipment, toilet, counter in the kitchen, dining table, living room, interior of the car....this product can be used in all these places, with cleaning and sterilization features. We have to have the concept of prevention is better than cure for disinfectant. Knowing how to use Hungindon properly and its advantage will help avoid disease and protect your health.

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

- Name and title : Samuel Huang
- Telephone : +886-2-28765825
- Email : samuel@aerolead.com.tw

2.7 Unique Biotechnology Co., Ltd

(1) Introduction of the services/product/technology/system against Covid-19:

The Long-Acting Antiviral and Antibacterial Spray of Sir Humphry David is made of pure water and gaseous chlorine dioxide and then made by our company's patented technology UC-1® (R.O.C. Patent No.: I 455869). Our patented UC-1® technology acts as an oxidizing agent and reacts with several cellular constituents. The strong oxidizing ability destroys the cell membrane of prokaryotes and causes the metabolic function and protein on the cell membrane to be destroyed, thus losing the active and causing the death of microorganisms. The product is soluble in water and can be quickly hydrolyzed. It has no pollution to the environment and has the advantages of safety, sterilization, odor removal, long-term efficacy and convenience. The outbreaks of enteroviruses, flu, and COVID-19 are endless, so it is imperative to prevent epidemic and antibacterial prevention at home. At present, most of the people are still using bleach, alcohol, or hypochlorous acid and other disinfectant, but they may cause harm to our skin, respiratory tract, and the environment. Unique Biotechnology has developed our own patented UC-1® technology to overcome the shortcomings of the previous gaseous chlorine dioxide that is not easy to preserve. Our UC-1® patented gaseous chlorine dioxide solution has proven its cytotoxicity, eye irritation, and respiratory tract safety evaluation tests through cell and animal tests and other clinical tests. It has excellent results, and it has been shown in many clinical experiments that the UC-1® patented sterilization technology also can effectively inhibit enterovirus 71, A, B influenza and other pathogenic bacteria, strong, long-lasting, high

safety and other characteristics, can replace Disinfectant containing hypochlorous acid, bleach, quaternary ammonium and other serious hazards to the human body healthy disinfectant spray.

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

- Name and title : Bella Ku / Marketing Sales
- Telephone : +886-7-222-5711
- Email : uc0038@myucbio.com
- Line : bellakuku141111

2.8 GeneReach Biotechnology Corp

(1) Introduction of the services/product/technology/system against Covid-19:

POCKIT™ Central Nucleic Acid Analyzer (POCKIT™ Central), is a commercially available sample-to-answer platform which integrates automated nucleic acid extraction and compact POCKIT™ PCR modules together with a liquid handling module. This platform can be set up and run with minimal hands-on time and allows quick and easy qualitative detection of SARS-CoV-2 nucleic acids in 85 minutes with maximum 8 tests capacity. This platform is deployable and benefit to healthcare provider for early detection of the individuals suspected of COVID-19. This platform has been distributed to different countries and WHO already applied this platform to aid in diagnosis in Pakistan (<https://reurl.cc/3D4vz0>). Both the platform and the test kit of SARS-CoV-2 detection already got CE-IVD. certification as well as the EUA of MOHW, Taiwan.

(2) Recommended by: Development Center of Biotechnology

(3) Contact for further inquiries:

- Name and title : Frank Chung, Marketing Manager
- Telephone : +886-958-035546
- Email : frank.chung@genereachbiotech.com
- Line : pinghanchung

2.9 AnTaimmu BioMed Co., Ltd

(1) Introduction of the services/product/technology/system against Covid-19:

Vstrip COVID-19 Antigen Rapid Test is a rapid in vitro immunochromatographic assay for the qualitative detection of SARS-CoV-2 virus from the nasopharyngeal swab of patients or contacts, it can be detected at an early stage of infection. This rapid test has been submitted to Taiwan FDA for approval.

(2) Recommended by: Development Center of Biotechnology

(3) Contact for further inquiries:

- Name and title : Dr. Po-Tsang Huang
- Telephone : +886-3-6688801 Ext. 111
- Email : Patrick.Huang@antaimmu.com
- Line : patrickpth

2.10 Senno Technology Inc.

(1) Introduction of the services/product/technology/system against Covid-19:

Taiwan hospital keep monitoring sodium hypochlorite to improve the disinfection effect for COVID-19 Epidemic prevention. Seeing the hospital using a wrong ratio to dilute sodium hypochlorite for doing an ineffective disinfection job every day, Angelo Wan and his team solve this problem by creating a digital meter, MIZU Bleach Meter, for measuring the concentration of diluted bleach. To assure the final concentration shall be expected value for effective disinfection of cleaning, and not only rely on the mixing ratio of water.

Angelo said if you are not sure the original bleach concentration, how do you know you got the right concentration by using specify the ratio of water to dilute? For the time being, COVID-19 is a major topic around the world. This product, MIZU Bleach Meter, a qualify epidemic prevention product having a US patent, has been proper use in Taiwan's hospital for a while. It lets the cleaning staff made a good job to prevent nosocomial infection. Do problems always hide in the regular daily job, do other countries in the world have the same question and concern? Always measure by bleach meter after finish dilution every time to assure disinfection is effective is necessary?

Public health for disease control and prevention uses chlorine bleach (Sodium Hypochlorite, NaClO) to do disinfection and sterilization. Bleach level has been specified to dilute to a concentration typical of 500, or 1000ppm by government CDC such as hospital, long term care center, nursing home, healthcare facilities, healthcare infection

control area, dialysis center, kindergarten school, and primary school. Many countries' CDC guidelines assumed the concentration of bleach is 5.25-6.15% in the market. Introduce people to prepare a 500ppm solution is 1:100, and 1000ppm solution is 1:50 diluted by tap water. Most of the above facilities have a bucket which marked 10 liters and 20 liters.

Also, a measuring glass for the cleaner to prepare the bleach solution. Actually, no one knows how much concentration of bleach buys from the market whenever delivery to end-user. It could be 6%-2.2%. Below 5% is usual. (This data is evaluated by one of the credible magazines which investigated 29 different kinds of bleach in the Hong Kong market.) Concentrated Bleach Sodium Hypochlorite is not fixed. One bottle of concentrated chlorine bleach will lose effectiveness after 30 days. The stored solution will have a 50% decrease in concentration after 30 days of storage. (Ref. Virginia Department of Health, Fall 2011, Environmental FAQs: Page 5 of 5) Depends on the proportional dilutions has no guarantee the disease control and prevention is effective. MIZU bleach meter can provide reliable data (ppm) easily when the cleaner doing dilution job, and identify effective disinfection and sterilization.

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

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2.11 Well Care Hygienic Company

(1) Introduction of the services/product/technology/system against Covid-19:

Hypochlorous Acid Water Generator (Slightly Acidic Electrolyzed Water Device): Well Care Hygienic Company is a professional manufacturer of hypochlorous acid water generator. Well Care Hygienic Company specializes in the production, distribution and sale of hypochlorous acid water equipment. Hypochlorous acid water has the function of disinfection, sterilization and deodorization. The hypochlorous acid water can kill the prokaryotic cells by using hypochlorous acid, so as to completely eliminate the pathogenic bacteria without harming human, animal and equipment.

Well Care's device uses low-concentration and high-purity hydrochloric acid as material. Because there is no sodium salt in it, there will be no sodium hypochlorite products, so there will be no disadvantages of sodium hypochlorite. Pure hypochlorous acid water is called slightly acidic electrolyzed water in Japan. It has been widely used in Japan since 2002.

According to the data of the Japanese Ministry of Health, Labor and Welfare, pure hypochlorous acid will not toxic and not cause harm to the eyes or skin of animals. Pure hypochlorous acid water has strong bactericidal power very, it is effective to kill prokaryotic cells including mold, bacteria, spores and viruses. Pure hypochlorous acid water is already the best new-generation Bactericide/Fungicide/Virucide in the world.

(2) Recommended by: SNQ Certification Center, Institute for

Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

- Name and title : Mr. Wei-Jeng Wang/ General Manager
- Telephone : (886)3-326-5919 Ext-11, (886)939-747-998
- Email : wjwang@hoc1.com.tw
- Line : wjwangtaiwan

2.12 BVI White Factor International Limited

(1) Introduction of the services/product/technology/system against Covid-19:

White Factor is established in 2013, specializing and researching disinfectant that is effective and safe for human skin and environmental applications. White Factor's disinfectant formulation is proven by international GLP labs killing not only bacteria, but also harmful viruses, including Norovirus, HIV, Hepatitis, Influenza Virus H7N9, H1N1, SARS-Cov, MERS-Cov, and by the end of April, 2020, we also acquired successful lab report of killing COVID-19. Our product includes: Skin Sanitizer 25ml, 50ml, 100ml, Environmental Disinfectant 100ml, 500ml, Air humidifier.

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

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- Line : tedsty

2.13 FRIENDLY-LIFE CORPORATION

(1) Introduction of the services/product/technology/system against Covid-19:

Portable Ozone Water Generator: We are Friendly Life, a team from Taiwan. Our goal is to create a new product, which can produce fungicides that are fast and broad-spectrum in sterilizing, while at the same time are all-natural and non-toxic too. Most importantly, it must also be super easy to use. We spent two years working on it and successfully developed the Portable Ozone Water Generator. It is designed to replace most disinfectants and mouthwashes which not only comprise complex ingredients but also bring a lot of plastic bottles to the environment. 99.9% Sterilization Ozone Water in Three



Simple Steps. Just one minute, Portable Ozone Water Generator will turn a cup of tap water into ozone water that has 99.9% sterilization competence.

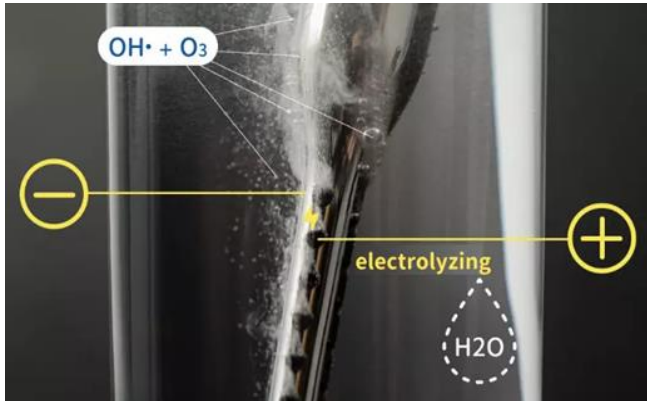
You can use ozone water to sterilize and deodorize in various situations. Such as disinfecting objects or hands, or using as a mouthwash. You can also use ozone water to keep vegetables and meats clean and fresh. Ozone is one of the most powerful and environmentally friendly disinfectants in the world.. It has been



widely used in water purification, air purification, food processing, medical treatments, and many more fields. International swimming pools also make it a

standard to use ozone for sterilization.

Through oxidation, ozone water can effectively destroy the structure of bacteria and viruses and kill them; the sterilization speed is 600 to



3,000 times faster than that of chlorine or other bactericides; and after reduction, it will only convert into oxygen without any residue and

secondary pollution. Our product produces ozone water that can 99.9% effectively kill the following bacteria and viruses, as certificated by the third-party laboratory inspection: Escherichia coli,



pathogenic Escherichia coli, Staphylococcus aureus, multi-drug resistant Staphylococcus aureus, Staphylococcus epidermidis, etc.

(All of these are harmful bacteria and viruses commonly found in everyday life.)

(2) **Recommended by:** SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) **Contact for further inquiries:**

- Name and title : Perry Wu , CEO.
- Telephone : 886-2-26480292 #10
- Email : ruyi@friendly-life.com
- Line : perry.wu

2.14 Zhaohong Biotechnology Co., Ltd

(1) Introduction of the services/product/technology/system against Covid-19:

The Cover You mosquito repellent developed by Zhaohong Biotechnology Co., Ltd. is a combination of two traditional Chinese herbal extracts (Cablín Potchouli Herb and Asiatic Wormwood) and five natural essential oils (citronella essential oil, Eucalyptus oil, lavender essential oils, cedar essential oils and Litsea Cubeba oils) with anti-mosquito efficacy product. The anti-mosquito effect of Cover You mosquito repellent was tested in independent laboratories with long-lasting protection for 4 hours against *Forcipomyia taiwana* and 2 hours against mosquitoes (yellow fever mosquito and *Culex quinquefasciatus*). And pass through testing by SGS, with no DEET, no preservatives and plasticizers. It is mild and non-irritating ingredient, suitable for pregnant women and children.

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

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- Line : @vqq1861r

2.15 YUAN QI BIO-CHEM TECHNOLOGY CO., LTD.

(1) Introduction of the services/product/technology/system against Covid-19:

Product: GCD YUAN CHI HIGH-ANTIBACTERIAL EFFICIENCY LIQUID

Description : Our GCD YUAN CHI HIGH-ANTIBACTERIAL EFFICIENCY LIQUID is extracted from a saturated saline single stable chlorine dioxide gas and a lot of chlorine dioxide with patented technology into deionized water (RO water), to reach chlorine dioxide gas in the short to save in water (like soda principle), high purity and no chemical hazards, with natural volatile characteristics, and will return after a volatile gas completely into water, security does not remain (Appendix 2: non-toxic biological test report), through international unit certification does not irritate the skin, not sensitive, non-corrosive.

Yuan Qi biotech has a mature gas preservation technology, can be stored as a liquid in the form of transport, and has applied for patents for inventions equipment, and various patents in Taiwan. The Company through many years of experience with experts and scholars and community to work together, to date, has continued to develop a number of gaseous chlorine dioxide product (such as: mouthwash, hand sanitizer, 3 in 1 spray (anti-bacterial, anti-mosquito, deodorant)), the success will be difficult to combine a number of strong oxidants and natural raw materials for binding, greatly improving ease of use and expiration date.

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

- Name and title : YUAN QI BIO-CHEM TECHNOLOGY CO., LTD.
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2.16 Union Biomedical Corp.

(1) Introduction of the services/product/technology/system against Covid-19:

DrSuperClean Ventanhestia (DVNH) PPE: We propose a novel DrSuperClean Ventanhestia COVID-19 Eradication Plan, therein referred to as “PET” (Prevent, Eliminate and Treat), through the simple administration of our DrSuperClean Ventanhestia (DVNH) spray or vapor atomizer in settings including but not limited to healthcare facilities, home use, and public or personal transit system. The PET method can be applied safely to provide a proactive shield of protection to stop cross infections in the closed environment such as airplane, cars, vessels, submarines etc., to protect the passengers as well as individual person. It can be used as personal protective equipment (PPE) basis and is capable of stop ping and preventing further spread of the COVID-19 pandemic.

The purified molecule of DVNH has the same immune protection function as leukocytes. It does not harm human cells, so it cannot harm the human body. Instead, DVNH will oxidize the S protein on the Coronavirus and deactivating the virus, thus it will not and cannot enter the human body to create any further damages to human body. This is the protection mechanism of our DVNH products.

In addition, the alveoli are organs that can be exchanged for gas. After being atomized, DVNH will be carried into the alveoli with the oxygen in the gas to kill the virus. Unless the RNA Coronavirus has entered the cell to replicate, it will not be affected by DVNH, but once the Coronavirus is replicated and ready to leave the cell for

transmission, it will be killed once it gets into contact with DVNH, and stops the spread of the COVID-19 pandemic.

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

- Name and title : Rui Lin
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- Email : uees888@gmail.com

2.17 Arnold Peaceful Water Co., Ltd

(1) Introduction of the services/product/technology/system against Covid-19:

ARNOLD introduced the European Enviolyte green environmental protection, antibacterial and disinfection of electrolyzed water production equipment, using a unique current control design and global protection of patented technology to generate highly efficient PH slightly acidic hypochlorous acid water (HClO). Hypochlorous acid water is an antibacterial solution that is harmless to humans and the environment, has no pollution and no chemical residues, and is a safe and effective antibacterial product. Four features of ARNOLD hypochlorous acid water.

(A) EC-Confirmation of patent and technology: European imported AAAA unique electrode design and global protective diaphragm patent, directly electrolyzed to generate high stability hypochlorous acid water.

(B) Efficient antibacterial and high protection: We have SNQ Certification & SGS Certification of high antibacterial, and it indicates to eliminate bacteria, viruses, molds, spores, biofilms.

(C) High and stable quality of materials: Select high-quality well salt, RO water, and priority mechanism.

(D) Safety and healthy: Approved by the Ministry of Health and Welfare, it is manufactured and sold in factories that meet the hygienic standards for food disinfectants, with strict and safety control.

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

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2.18 Top Angle Biotech Corp

(1) Introduction of the services/product/technology/system against Covid-19:

HSP Super Jiasui: Product 「HSP Super Jiasui」 is a broad-spectrum disinfectant which is not only powerful and safe, it also has rapid effects on disinfection for almost every kinds of pathogen (including bacteria, fungus, virus, especial with spore bacteria).

They are certified by independent testing laboratories to international standards, as well as regulatory agencies. HSP Super Jiasui is very safe disinfectant which is not harmful to human and animals. Besides, it is eco-friendly, so we don't need to concern about withdrawal period when using this product. HSP Super Jiasui is composed of purified water, with natural and safe ingredients.

The product is free of alcohol, synthetic fragrances, and other harsh chemicals. They turn into water after use leave no residue. We recommend using HSP Super Jiasui for both air and surface disinfection to reduce the number of pathogens surrounding us, then we can defend ourselves from infectious diseases. Since 2000, In Japan, HSP Super Jiasui is proven by hundreds of hospitals, senior care and childcare facilities to protect those who are the most vulnerable from pathogens and contaminants.

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

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- Line : @316cyfgh

2.19 Solclean Biotech Co., Ltd

(1) Introduction of the services/product/technology/system against Covid-19:

We manufacture Hypochlorous Acid (HClO). Our product is HClO in the purest form. Our unique, scalable production methods yield formulations that are simple, natural, effective, and available in limitless capacity to serve a variety of industries. Solcelan is always been focused on what HClO can do for the good of mankind, in medicine and in healthcare. HClO is a natural part of our internal defense system, produced by white blood cells. When produced outside the body, HClO is an electrolyzed, antimicrobial, biocide solution that inactivates pathogens such as bacteria, viruses, spores, and fungi.

Benefits of HClO:

- ✓ Works to fight infection, control responses to injury, and enhance healing
- ✓ Part of the healthy response to injury and recovery
- ✓ HClO consistently shows no adverse effects
- ✓ Will not irritate or aggravate tissue damage at wound sites
- ✓ There is no bubbling or tingling sensation, unlike many other topically applied solutions
- ✓ Soothing, steady control over the healing process that quickly become evident
- ✓ Safe for use on humans and animals

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

- Name and title : Dixon Huang/President

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- Email : dixon.huang@ultra-pack.com
- Line : @solclean

2.20 PINYEIXING INDUSTRIAL CO., LTD

(1) Introduction of the services/product/technology/system against Covid-19:

PINYEIXING INDUSTRIAL CO., LTD., the brand is PYX.CARE, is the company that use the ag+ nano-fiber to manufacture Sterilizing/ Anti-PM2.5 Earloop Mask. We won the International & National Quality certification(*SNQ, 2017-2020*), Sterilization Patent, CNS15980 /14774.14775 testing and to provide the best quality assurance for consumers and partners.

The mask, all models, of PYX.CARE were made In Taiwan and had certificated by *Microban*, the international antimicrobial global leaders, that microbial filtration efficiency $\doteq 99.8\%$ and could be washable & long-lasting anti-microbial. And the *nano-fiber got the degree of VFE Testing(0.1 μ m) Filtration Efficiency $\doteq 99.9\%$, and PFE Testing(0.1 μ m) Filtration Efficiency $\doteq 99\%$ by Nelson Labs of U.S.* The anti-PM2.5 average filtration efficiency is almost 99.23% (KCI & PAO,0.3~3.0 μ m, 85/Lpm) . PINYEIXING INDUSTRIAL CO., LTD. is also the only company owns “*Sterilization Patent*” In Japan, China, Korea, and Taiwan.

The mask that after water-wash 20 cycles still got the microbial Filtration Efficiency $\geq 98.9\%$ (Staphylococcus aureus & Klebsiella). It is our great honor that to be the *Special Edition* by *National Palace Museum of Taiwan*.

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

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- Email : mics.jeffrey@gmail.com / pyx.care@gmail.com
- Line : jeffreygogogo

2.21 Yuen Foong Yu Consumer Products Co., Ltd

(1) Introduction of the services/product/technology/system against Covid-19:

Orange House Anti-Bacteria Cleaning Spray: Against Virus with Hypoallergenic & Natural.

- Natural Cleaning Power: The powerful formula with natural extracts of a food grade ingredient: cold-pressed orange oil and natural fermentation derivatives.
- Against Virus: Effectively fight Enterovirus type 71, A / B influenza, Norovirus
- , and reduce the risk of infection. (Experimental proof by certifying authority)
- Antibacterial: Effective against 99.9% of Escherichia coli, Cactus bacillus and Vibrio enteritis. (Experimental proof by YFY laboratory)
- Hypoallergenic: Recognized by PCR tested in USA- low sensitivity to skin
- Non-toxics: Recognized by SGS; Non-heavy metal residues



(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

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- Email : sabrina.yu@yfycpg.com

2.22 NKFG Corporation

(1) Introduction of the services/product/technology/system against Covid-19:

Portable Sterilizer helps you to quickly eliminate the virus and bacteria invisible in every corner of your life, and it is a good helper to bring you a healthy and safe life. Carry it with you, sterilize and disinfect at any time, suitable for office, kitchen, bathroom, public space, etc., to make your life safe and secure. Portable Sterilizer uses the world's highest specification deep ultraviolet LED chip, with the highest output power in the industry (40mW/chip), instantly destroys the central structure(DNA/RNA) of bacterial and viruses.

To completely stop germs reproduction. Portable Sterilizer uses deep ultraviolet LED chip, with high luminous efficiency, low heat generation, low power consumption, long life, non-fragile, mercury-free, give you a safe, energy-saving, pollution-free healthy life. At the same time reduce the burden on the environment. Portable Sterilizer has a simple design, one-button operation, simple use, convenient carrying and easy storage.

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

- Name and title : Shawn Chiu / R&D Engineer
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2.23 Nanosi Biotechnology Co.,Ltd

(1) Introduction of the services/product/technology/system against Covid-19:

Product : Natural antibacterial Deodorant sprays

The natural antibacterial deodorant sprays is added by NSP and TAG from the NTU research and development technology, This spray can be in use of anti-bacteria and air flasher. The spray will form an protective layer on the skin to help keeping you fresh and bacteria free all day long. This spray will not hurt the skin, clothing, body, environment, and can be sprayed on pets.

- ✓ Ingredients: NPS, Tag, Demineralized water
- ✓ Directions: Shake before use, and spray onto the skin or the place you want to clean.
- ✓ Manufacture date: show on the outside of the package.
- ✓ Expiration: After 3 years from manufacture date.
- ✓ Cautions: Store in cool and dry place.

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

- Name and title : GM/Colin Chuang
- Telephone : 886-224367471
- Email : service@nanosi.com.tw



- Line :

2.24 C and I International Company Limited

(1) Introduction of the services/product/technology/system against Covid-19:

In Biology, Hypochlorous Acid (HOCl) is a substance in our immune system to eliminate the invading pathogens. Our device can also produce the same disinfectant substance and we named it NeuKocyte®. The bactericide of NeuKocyte is more powerful than bleach about 80~150 times, according to US EPA research. Furthermore, due to its non-toxic and non-irritative to human tissue and skin, the usage is easy and convenient compare with other traditional sanitizers. The product is suitable to be applied in food industry, hospitals, nursing facilities, schools, pet-grooming shops, public facilities or family and personal cares. Meanwhile, since NeuKocyte has no inhale harm for mucosa, it is safe and effective to sanitize the indoor air or bad odor by mist-spray.

The Characteristic of NeuKocyte®:

- Convenience: no need dilution nor rinsing with tap water after use.
- Safety: low concentration, no stimulating odor, non-toxic, not irritating for skin , no residue, no inhale harm for mucous membrane or eyes; approved as food additive by the Ministry of Health, Labor and Welfare, JP.
- Effective: can kill most of the pathogens in 1 minute. It can also inactivate the virus including Noro, H1N1, Enterovirus, and corona virus (SARS).
- Environmental-friendly: can be drained directly, no harm nor pollution to environment.
- Mist-Spray: can inactivate bacteria, fungi or virus in the ambient

air. For use with a humidifier, it can prevent diseases infection instead of increasing the indoor humidity.

Our System: We provides both HOCl disinfectant and generator. We have several grades of NeuKocyte HOCl generators to correspond with different applications. The handling, installation, and maintenance of our NeuKocyte generators are simple and easy, the continuous output volume will be reach 350Liter over /per hour, and no by-produced waste water. The power consumption of the generator is low (60W~200W/hr.) and the running cost of the disinfectant is only around US\$0.01~0.02/per liter. No doubt, our system will be one of the best solutions to enhance the environmental sanitation and epidemic prevention level around the world.

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

- Name and title : Mr. Alex Yao, General Manager.
- Telephone : +886-3-313-6822 ;
- Email : service@neukocyte.com.tw ; alex2124@gmail.com
- Line ID or Wechat ID : akexyao83

2.25 Micro-Tech Foods Ingredients Inc.

(1) Introduction of the services/product/technology/system against Covid-19:

(A)EcoCal® Shell Calcium Oxide, why do the consumers choose it!

- ✓ Highest quality raw materials: We have a very strict selection process of raw materials where we only select Taiwanese freshwater-cultured golden clamshells that are clean, pollution-free, antibiotic-free, and do not contain any chemical residue.
- ✓ Highest level factory and manufacturing process: Shell Calcium Carbonate becomes Shell Calcium Oxide by calcination at a temperature above 1000°C with continuous-flow manufacturing in our green building plant, which has attained FSSC22000, ISO22000, HACCP, and HALAL certifications. In 2018, the product has also attained French ECOCERT certification.
- ✓ Highest effective functionality: EcoCal® Shell Calcium Oxide solution will release ROS that has sterilization and deodorizing capabilities. With its unique characteristic, we can use it across multiple products –food, animal feed, cosmetics, and daily necessities.
- ✓ Zero waste/Full use: The wastewater of Shell Calcium Oxide solution not only can be used to balance soil acidity but also weak the ocean acidity condition. Finally return to shellfish shells, towards a circular economy.

(B)MTFI's "Skin Cleanser":

- ✓ Main material(shell): We have a very strict selection process of raw materials where we only select Taiwanese

freshwater-cultured golden clamshells that are clean, pollution-free, antibiotic-free, and do not contain any chemical residue. Shell Calcium Carbonate becomes Shell Calcium Oxide by calcination at a temperature above 1000°C with continuous-flow manufacturing in our green building plant, which has attained FSSC22000, ISO22000, HACCP, and HALAL certifications. In 2018, the main ingredient has attained French ECOCERT certification. From international journal and SGS testing, we found EcoCal® Shell Calcium Oxide solution with ROS can be used to sterilize, antibacterial, deodorize, anti-virus.

- ✓ The other material (ECOCERT COSMOS/Halal): We make Skin Cleanser with the ECOCERT COSMOS decyl glucoside and Muslim treifah HALAL propylene glycol, the composition is absolutely safe, anti-bacterial, and moisturizing.
- ✓ Why do the consumers choose our Skin Cleanser!
 - Containing effective antibacterial ingredients (Shell Calcium Oxide).
 - Without chlorine and alcohol, so it's low hypersensitivity.
 - Non-irritating with child skin.
 - Soft on hands.
 - Quick and easy to use.
 - Water-saving and eco-friendly.

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

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2.26 GAIA Life International Company Ltd

(1) Introduction of the services/product/technology/system against Covid-19:

EasyClean® Disinfectant Solution Generator is the only machine that combines portable, rechargeable, sprayable, non-consumable features into one machine and produces Chlorine disinfectants such as HClO at the same time. ES-250 is also utility patented (No.108206908). ES-250 uses non-diaphragm electrolysis, which generates disinfectant solution contains HClO. ES-250 is especially patented in portable and rechargeable features.

The generator has three key components, top part Netherlands Patented Sprayer Flairosol®, middle part transparent solution container 200ml, and bottom part contains electrolysis reactor and battery. ES-250 demonstrates four spirits of EasyClean®, Deodorization, Disinfection, Safety, and Eco-Friendly. While having same, if not higher level of deodorization/disinfection ability compared with consumable disinfectant solution; ES-250 disinfectant solution generator can reduce consumers spending on disinfectant/deodorization products, also minimized plastic packaging, chemical stabilizer/essence, and many other sources of pollution from bottled cleaning solution sold in markets. EasyClean can truly make disinfectant and deodorization become a safe and no burden work.

Though electrolysis technology has been matured for a long time, disinfectant solution generator in the market could not satisfied consumers, due to downsides such as complex operation, produce

quantity doesn't fit consumers' needs, or expensive pricing. Consumers need a disinfectant solution generator doesn't have a complex operation or dilute process, cheap, eco-friendly, and accessible material to truly replaced the convenience of bottled disinfectant solution, and ES-250 is the best solution we provide to consumers all over the world.

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

- Name and title : Kris Chiu, Account Manager
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- Email: jyh@twjyh.com.tw, contact@easy-clean.com.tw
- LINE: @ecocare.tw (Official Account), krischiu0119 (Account Manager)

2.27 Dai Syko Trading Co.,Ltd

(1) Introduction of the services/product/technology/system against Covid-19:

- ✓ Clean Good is chlorine dioxide of improved stabilized of the second generation, it has significant and stable sterilization effect on bacteria, virus, fungus and some of the spore, Klebsiella pneumoniae.
No hydrolytic action.
- ✓ Not subject to neutralization reaction with organic carriers (such as blood, serum, vomit).
- ✓ Effective pH range: 3 ~ 10
- ✓ Sterilization power is 2.5 times stronger than chlorine
- ✓ High dilution ratio; short sterilization time.
- ✓ Will not react with ammonia and nitrogen, and sterilization effect is not Affected by ammonia and nitrogen in the pollutants.
- ✓ Clean Good solution will not react with humus to form trihalomethane and thus will not produce carcinogens (THMs).

Clean Good has multiple effects of disinfection, sterilization, inhibition, preservation, water quality treatment, spatial deodorant, mold-proof and algae inhibition; therefore, it is applicable to food safety control in broad spectrum, or multiple purposes such as agricultural and animal cultivation, antiseptic for housing and bodycare.

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

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- Email : dsk@daisyko.com.tw
- Line ID : treefroglin

2.28 Axel Biotechnology Inc

(1) Introduction of the services/product/technology/system against Covid-19:

(A)HOCl is an organic oxidant produced by neutrophilic granulocyte(kind of white blood cell) in mammals as a strong line of defense in our immune system. We utilize a unique hypochlorous electrolysis technology by using the salt and water as raw material. To generate the hypochlorous acid that named iSafeAqua. iSafeAqua could destroy most of bacteria and viruses. Based on the science of Hypochlorous Acid (HOCl) ,iSafeAqua is non-toxic to the human. It can effectively eliminate odors by spray to odors area. The iSafeAqua can use for the entire family, from newborns to elderly adults, and is safe enough to use around sensitive areas including eyes, ears, and nose. The iSafeAqua not only has the exact disinfection effect, but also a convenient and effective home disinfection helper. Safety Warning. Not for injection. Not oral drug. Indications: Spraying to odors area or suspected areas with microorganisms. Ingredients: Hypochlorous Acid (HOCl) 0.005%, Electrolyzed Water (H₂O), Sodium Chloride (NaCl), Sodium Hypochlorite (NaOCl), Phosphates.

(B)ISafe Electrolytic Solution, light concentration(Home Edition)(Hypochlorous acid solution 50ppm): The main ingredients include salt,water and hypochlorous acid , without other additives. Electrolyte which has 7.5 ± 0.5 pH value contains decomposable hypochlorous acid, and is mild and stable. Hypochlorous acid solution is the legitimate food-grade disinfectant in USA 、 Japan 、 Europe and other

countries, experimentally proven to quickly inhibit common pathogenic bacteria (Sterilization rate reaches 99.999%) and virus, quickly remove odor, decompose smoke.

- ✓ Number: XXXXXX
- ✓ Packaging: 1 liter refill bottle
- ✓ Ingredients: salt, water, hypochlorous acid 50 ppm \pm 15% , pH 7.5 \pm 0.5
- ✓ Date of manufacture: XXXX / X / XX
- ✓ Shelf life: 12 months

Uses: It has been proved by experiments that it can quickly deodorize, decompose smoke and odors; safely and quickly inhibit the common pathogenic bacteria more than 99.999% (such as: E. coli, Pseudomonas aeruginosa, Listeria, Salmonella, Staphylococcus aureus, and Enterococcus Bacteria, etc.); It can be used to deodorize smoke, toilets, shoes and socks, refrigerators, kitchen waste, pets, drains, and interior spaces, and it is especially effective for spraying water-absorbing objects such as clothing.

* Note: The ingredients of this product are natural, without any addition and alcohol. Do not add other liquids at will to affect the effect. It is exclusively used for external deodorization, sterilization, anti-virus and other purposes. It is not edible. If uncomfortable symptoms occur due to personal physical factors, please stop using it immediately. Please keep it in a cool and dark place to maintain its effectiveness.

(C) ISafe Electrolytic Solution (high concentration, Enhanced Quick Effect Edition) (Hypochlorous acid solution 200ppm): The main ingredients include salt, water and hypochlorous acid, without

other additives. Electrolyte which has 7.8 ± 0.5 pH value contains decomposable hypochlorous acid, and is mild and stable. Hypochlorous acid solution is the legitimate food-grade disinfectant in USA 、 Japan 、 Europe and other countries, experimentally proven to quickly inhibit common pathogenic bacteria (Sterilization rate reaches 99.999%) and virus, quickly remove odor 、 decompose smoke.

- ✓ Number: XXXXXX
- ✓ Packaging: 1 liter refill bottle
- ✓ Ingredients: salt, water, hypochlorous acid 200 ppm \pm 15% , pH 7.8 ± 0.5
- ✓ Date of manufacture: XXXX / X / XX
- ✓ Shelf life: 12 months

Uses: It has been proved by experiments that it can quickly deodorize, decompose smoke and odors; safely and quickly inhibit the common pathogenic bacteria more than 99.999% (such as: E. coli, Pseudomonas aeruginosa, Listeria, Salmonella, Staphylococcus aureus, and Enterococcus Bacteria, etc.); It can be used to deodorize smoke, toilets, shoes and socks, refrigerators, kitchen waste, pets, drains, and interior spaces, and it is especially effective for spraying water-absorbing objects such as clothing.

* Note: The ingredients of this product are natural, without any addition and alcohol. Do not add other liquids at will to affect the effect. It is exclusively used for external deodorization, sterilization, anti-virus and other purposes. It is not edible. If uncomfortable symptoms occur due to personal physical factors, please stop using it immediately. Please keep it in a cool and dark place to maintain its effectiveness.

(D) Continuous Type Hypochlorous Acid Solution Generator
YH-520G:

- ✓ Water quality requirements: tap water, soft water or reverse osmosis water is better
- ✓ Water injection: 5 liters of salt solution (1% NaCl)
- ✓ Response time: 20 minutes
- ✓ Control interface: microcomputer with self-diagnosis and digital display
- ✓ Power supply: 115 volts / 60 Hz / power consumption 180 watts
- ✓ Material: platinum, medical grade stainless steel, polypropylene, etc.
- ✓ Size and weight: Width x height x depth: 29x24x27 cm / weight 14 kg
- ✓ Product: 5 liters of hypochlorous acid and hypochlorite ion liquid, above 2000ppm (content > 99%)
- ✓ The warranty period is one year, including free shipping, equipment operation education and training.
- ✓ Accessories: portable scales, dedicated 20-liter HDPE water storage bucket, 5-liter measuring cup.

(E) 5 Tons Continuous Type Hypochlorous Acid Solution Supply System:

- ✓ Water quality requirements: TDS <150ppm, tap water, soft water or reverse osmosis water is better
- ✓ Control interface: microcomputer with self-diagnosis and digital display
- ✓ Power supply: 220 volts / 60 Hz / power consumption 750

watts

- ✓ Platinum, medical grade stainless steel, polypropylene, etc.
- ✓ Dimensions: W50xD30.5xH165 cm
- ✓ Product: 2000ppm hypochlorous acid and hypochlorite ionic liquid, the maximum daily output is 500 liters, equivalent to 200ppm 5000 liters per day.
- ✓ The service life of the electrode: about 2 to 3 years for continuous daily use (depending on the water quality).
- ✓ The warranty period is one year, with 1 to 2 routine system maintenances within the warranty period.

Standard equipment:

- ✓ Primary filtration system:
Specification: 10 " (international standard size 9 7/8")
Material: 100% polypropylene (PP)
Quantity: 2 pieces
Aperture: 5 microns
Lifespan: about 3 ~ 6 months, depending on front-end water quality status.
- ✓ Salt bucket: The capacity is 125L, using food-grade natural coarse salt, which must be replenished according to the use situation without stirring.
- ✓ Original liquid storage bucket: 1000 liter PE chemical acid and alkali resistant storage tank, including three-way valve.

(F) M1500 waterproof cloud generator

- ✓ Output AC36V
- ✓ Power consumption: 140W
- ✓ Cloud production: (water atomization rate) 1500ml / hr (hour)

- ✓ Size: D35 * W22 * H36cm
- ✓ Size of cloud droplets: 1-5um
- ✓ With automatic water supply pipeline setting
- ✓ Accessories: 20L automatic water replenishment bucket

(2) Recommended by: SNQ Certification Center, Institute for Biotechnology and Medicine Industry.

(3) Contact for further inquiries:

(A)HOCl:

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(B)ISafe Electrolytic Solution, light concentration

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- Line: daxel126

(C)ISafe Electrolytic Solution(high concentration,Enhanced Quick Effect Edition)

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(D)Continuous Type Hypochlorous Acid Solution Generator YH-520G

- Name and title: Ashley Yang (Business Assistant)
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(E)5 Tons Continuous Type Hypochlorous Acid Solution Supply System

- Name and title: Ashley Yang (Business Assistant)

- Telephone: 04-22020968 #203

- Email: ashley@axelbio.com.tw

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(F) M1500 waterproof cloud generator

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- Line: daxel126

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