

# Our potential products in the future..



- Our supplier's focus is on medical related application
- They have developed antifungal/bacterial drugs and dressings for burns and scalds.
- Continue to work with Burn Surgery Department of Changhai Hospital, affiliated to the Second Military Medical University on antifungal/bacterial drugs.
- Various work on anti-virus effort. Work with Macau University of Science and Technology and under a panel of distinguished professors including Nobel Price winner.

# Antibacterial medicine for burns & scalds

There is no cure for fungal infection wounds

Working with Professor Zhu Shihui to jointly develop antifungal/bacterial drugs and dressings for burns and scalds;

Apply for "the establishment of major projects during the 14th Five-Year Plan"



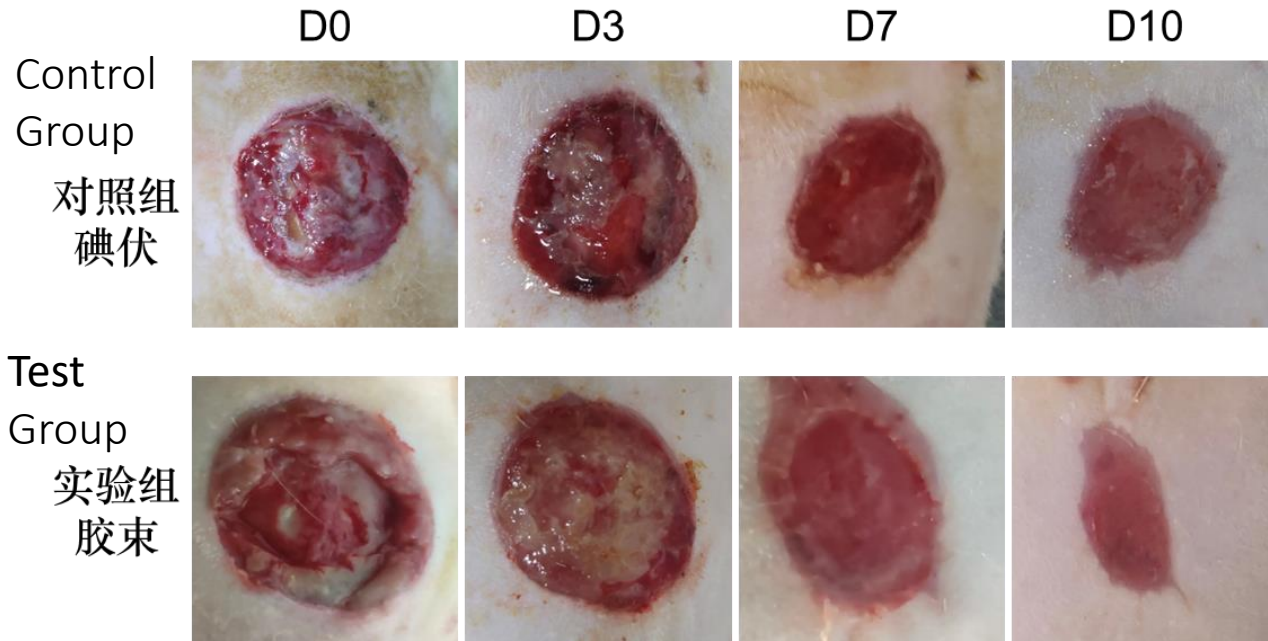
## 朱世辉教授

Executive director of the Burn Surgery Department of Changhai Hospital Affiliated to the Second Military Medical University, chief physician, professor, and doctoral supervisor.



- Vice President of the Burn Branch of the Chinese Medical Doctor Association,
- Vice Chairman of the Burn Treatment and Rehabilitation Professional Committee of the Chinese Association of Rehabilitation Medicine,
- Deputy Director of the PLA Burn Institute,
- Vice Chairman of the Shanghai Burn Surgery Branch of the Chinese Medical Association, and
- Shanghai Emergency Burn Center deputy director.
- Won the National Science and Technology Progress Award several times.

# Farmour – Antibacterial Mechanism

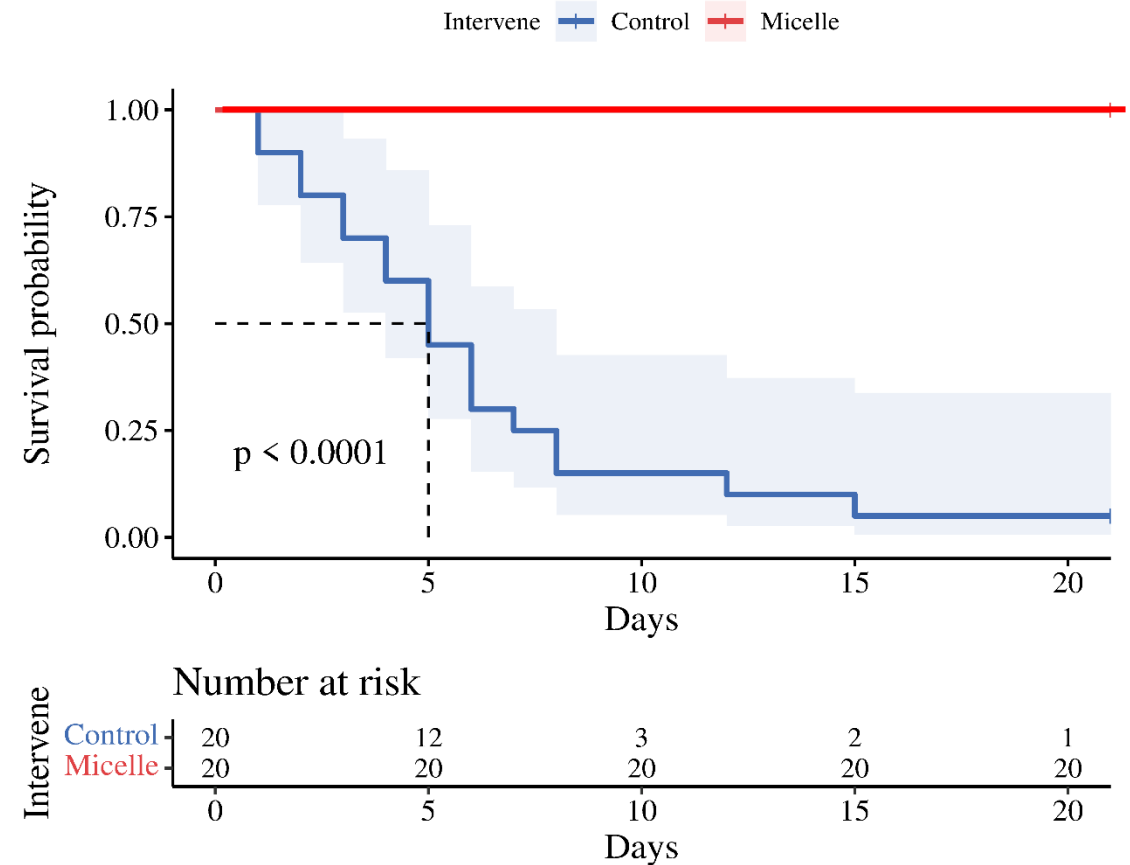


## Control wound infection & promote wound healing

Full-thickness defect infected wound in mice

The wounds in the D10 Test Group have basically healed

Infection was effectively controlled in the wounds of the Test Group



## Control wound infection & reduce sepsis mortality

— Control group day 20, mortality rate 95%

— Micelle group (test group) day 20, no deaths

# 治疗慢性伤口 — 非手术治疗原则

Treating Chronic Wounds—Principles of Non-Surgical Treatment

**Farmour** - The transmembrane effect effectively penetrates the biofilm, eliminating debridement surgery, controlling infection and promoting healing.



清创中



Source: 海军军医大学暨长海医院 朱世辉教授团队研究发现  
Naval Medical University and Changhai Hospital  
Professor





2024/2/26

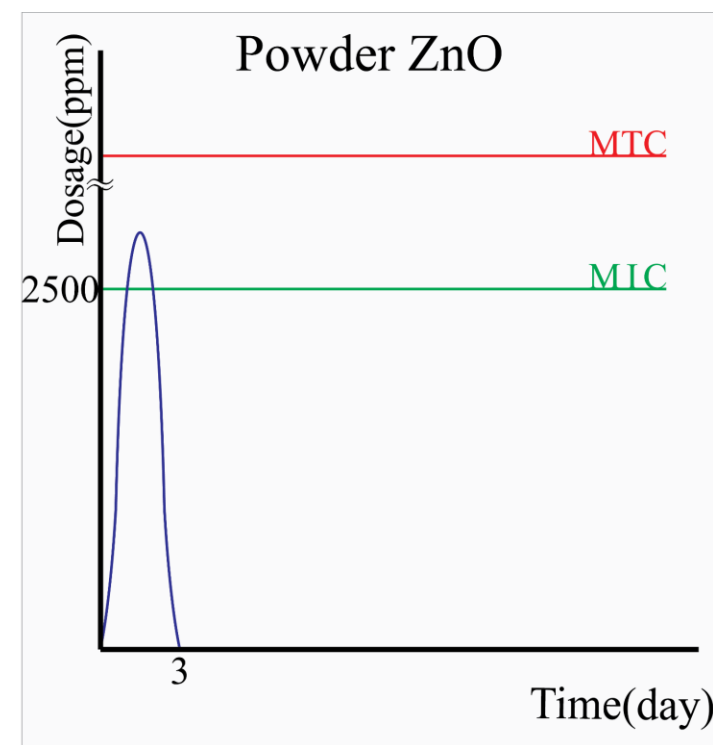
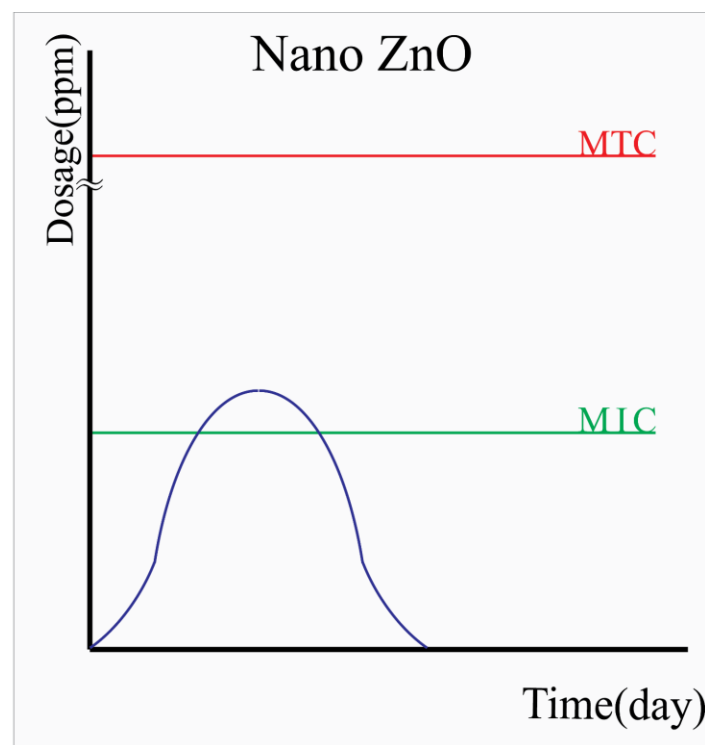
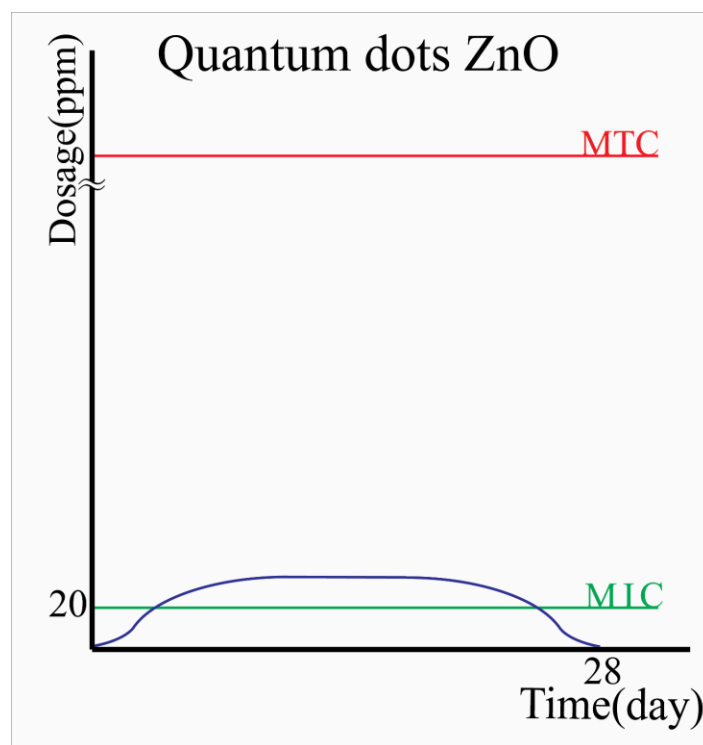
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**糖尿病患者**

Diabetics Patient

# 晶体粒径 / 剂量安全 Crystal particle size/dose safety



MTC: 最低中毒剂量  
MIC: 最低有效剂量

MTC: Minimum toxic dose  
MIC: lowest effective dose

## 細菌生物膜抑制傷口癒合 Bacterial biofilm inhibits wound healing

每年，僅在美國就有超過 70,000例因為糖尿病相關慢性傷口感染導致的下肢截肢，而這些截肢病人中有大約一半會在手術後18個月內死亡；存活病人中有一半會在5年內失去對側肢體。

Each year, in the United States alone, there are more than 70,000 lower limb amputations due to diabetes-related chronic wound infections,

About half of these amputees will die within 18 months of surgery; And half of surviving patients will lose their limbs within 5 years - Contralateral limb.

Reference: [Watters, Chase, Katrina DeLeon, Urvish Trivedi, John A. Griswold, Mark Lyte, Ken J. Hampel, Matthew J. Wargo, and Kendra P. Rumbaugh. "Pseudomonas aeruginosa biofilms perturb wound resolution and antibiotic tolerance in diabetic mice." 2013. Medical Microbiology and Immunology 202: 131-141. DOI: 10.1007/s00430-012-0277-7.](#)



# Farmour 有效灭活病毒

## Effectively inactivates viruses

呼吸道感染病毒  
Respiratory Tract Infection  
Virus

Coronavirus, SARS-CoV-2、  
Delta、Omicron BA.2、  
Omicron BA.5

(State Key Laboratory of Quality  
Research in Traditional Chinese  
Medicines - Macau University of  
Science and Technology)



State Key Laboratory of Quality Research in Chinese Medicine  
(Macau University of Science and Technology)

中藥質量研究國家重點實驗室 (澳門科技大學)

特聘教授

Distinguished Professors

Year 1991  
Nobel  
Physiology  
or Medicine  
Prize  
Winner



埃爾文·內爾

1991年諾貝爾獎獲得者

埃爾文內爾博士生物物理與創新藥物實驗室主任

Erwin NEHER

Nobel Laureate in 1991

Director, Dr Neher's Biophysics Laboratory for Innovative Drug Discovery

Govt leading  
advisor in  
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Covid-19  
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YANG Bao-Feng

Academician,



鄭永齊

台灣中央研究院院士

CHENG Yung-Chi



## Part 2 - Sectors of focus for their customers/affiliated group

The supplier sells to various manufacturers who will then research and developed into many kind of applications, including..

- i. Skin care product - QUANTUM DOTS SPRAY MESOTHERAPY
- ii. Anti-fungal for cotton - COTTON FIBER MODIFIER
- iii. Anti-bacterial and Anti-virus for animal supplement – ZINC OXIDE
- iv. Anti-fungal and Anti-bacterial for plant protection – FARMOUR
- v. Anti-bacterial for food storage,
- vi. Anti-cancer application ... etc etc

Ageless Radiance

Skin care producers using Quantum Dot to explore new frontiers..



## 量子点喷涂水光

QUANTUM DOTS SPRAY MESOTHERAPY

美白 / 祛斑 / 紧致 / 抗衰

Whitening / Freckle removal / Firming / Anti-Aging

整合醫學  
INTEGRATIVE MEDICINE

Authorised by  
*Huang, Fu-Kuo*



# 量子点喷涂水光

## QUANTUM DOTS SPRAY MESOTHERAPY

- 穿膜效应 — 协同运输; Transmembrane effect – delivery channel
- 美肌制剂依赖“量子点喷涂水光”穿过角质层，  
渗入真皮层。

Skin-beautifying preparations rely on **QUANTUM DOTS SPRAY** to pass through the stratum corneum and penetrate into the dermis.

— *Integrative medicine* —  
中西医结合



喷雾/涂抹 水光针  
(非侵入式)



Sports wear, Lingerie, Linen  
companies have embraced  
Quantum Dot in the new line..

## 棉纤维改性剂

COTTON FIBER MODIFIER

抗起球/丝滑感/防螨  
抗霉变/抗黄化/消臭

Anti-pilling/silky/anti-mite

Anti-mildew/anti-yellowing/deodorizing



Authorised by

Huang, Fei-Kuo



棉花绝大多数病害来自**真菌**

The majority of cotton diseases are caused by **fungus**.

皮棉久藏关键技术

Key technologies for long-term storage of lint

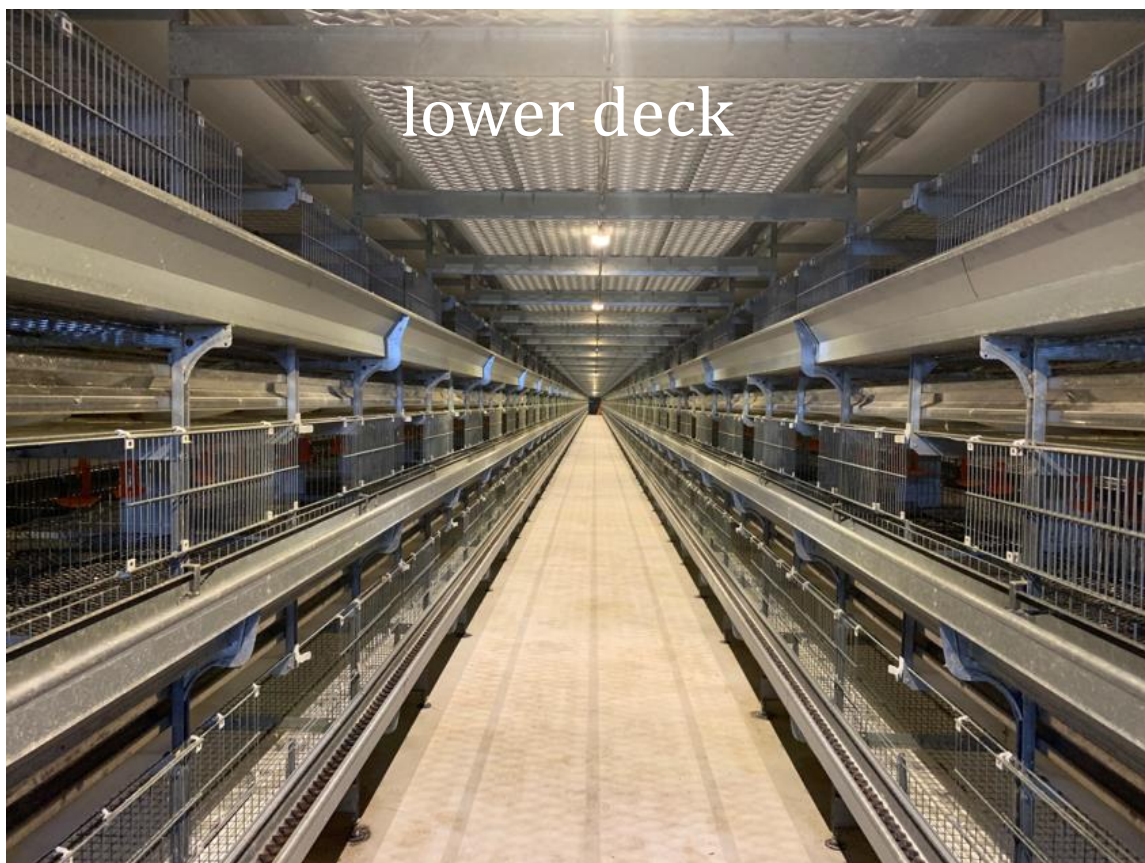
—— 抗 真 菌 ——  
Antifungal



霉变造成黄化  
Mildew causes yellowing

## Farmedic - Future product : Zinc Oxide

Chicken Farms in China and Taiwan area have embraced Quantum Dot in their production



|                     | Number of birds | Number of dead |
|---------------------|-----------------|----------------|
| <b>Test area</b>    | 55,000          | 4              |
| <b>Control area</b> | 55,000          | 14             |





## Farmedic - Future product : Zinc Oxide

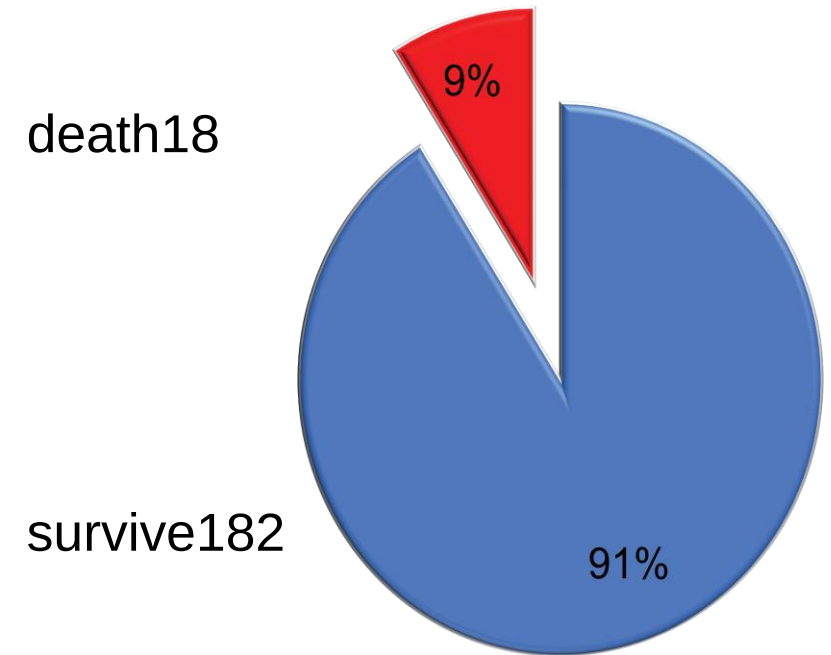


Farms in China and Taiwan area have shown good result after using Quantum Dot to improve animal immunity..

One of the many tests result on African swine fever – test conducted in China;

### Conclusion

- 200 infected pigs were treated for 17 days,
- 18 died, 182 survived,
- cure rate was **91.0%**.





# Farmedic - Future product : Zinc Oxide

Misting in swiftlet farms help to produce better and “whiter” bird nest and hence, their selling price of bird nest is much higher.



After  
misting

Before  
misting