



PHARMOSA Biopharm Inc.

A Start-up RD Company Focused On

Controlled-Release Formulation-Device Combination for Localized Therapy

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President

http://www.pharmosa.com.tw



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Synergy of Medical Device & Formulation Technologies



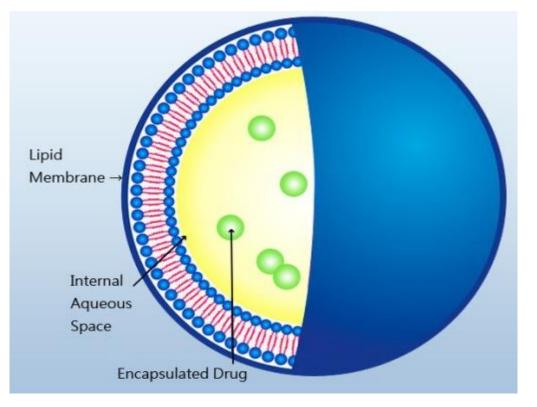
- Some medications are suffering from low patient compliance and low concentration at the target site.
- Innovated medical devices are being explored to improve drug delivery to the target site.
- However, the needs for improving drug delivery technology such as controlled-release formulation are still growing.
- PHARMOSA is specialized in liposome formulation.
- Controlled-Release liposome platform is being developed to be used with preferred medical devices.

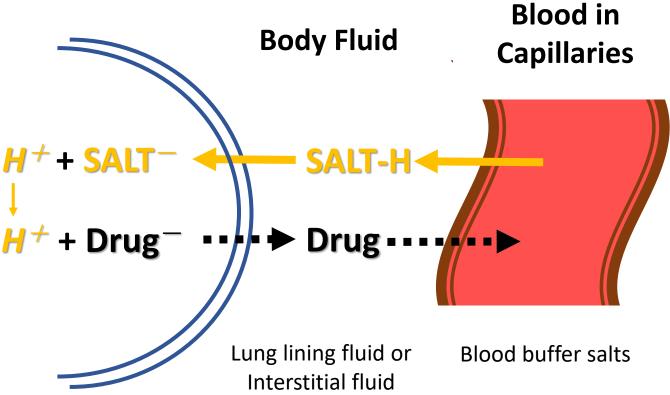


Liposome-Device Combination System

Liposome is a biocompatible formulation which is composed of phospholipid bilayer membrane for controlled release.

Buffer salts, diffusing from blood of capillaries, trigger & control drug release rate from liposomes deposited near target sites.



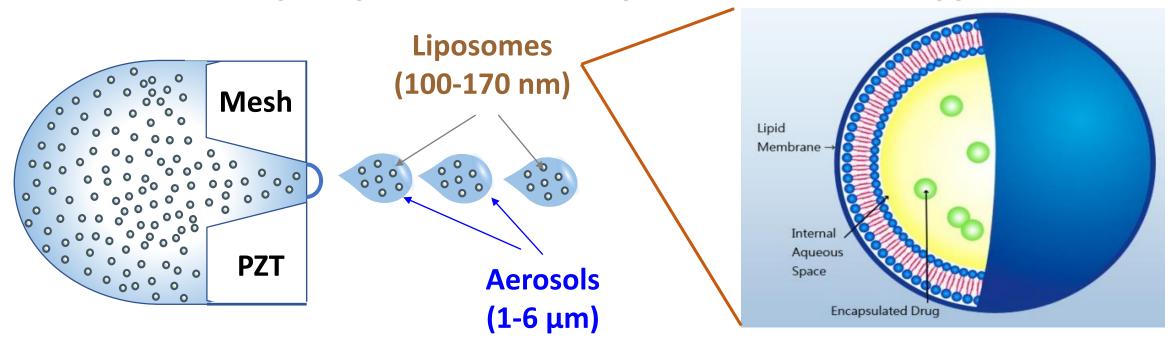




Liposome-Device Combination System

Based on **Device Specification**, liposome is optimized to fit in the combination system, in order to successfully **Deliver** liposomes to **Target Site for Localized Therapy**.

Example: Liposome-Nebulizer System for Inhaled Therapy



Liposomes Vibrating

Aerosols

Inhalation

Alveoli



Applicable for Versatile Delivery Devices



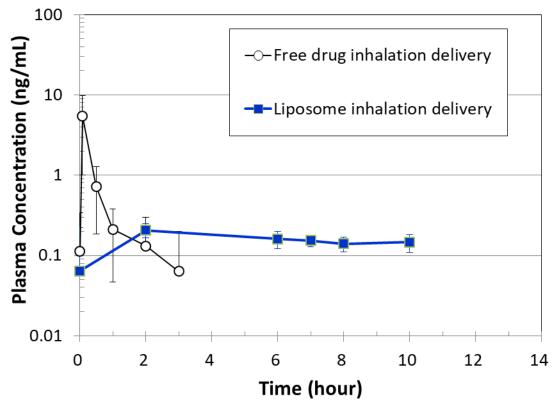
After delivered by devices, PHARMOSA liposomes retain High Drug Encapsulation & Sustained-Release Profile.



Proof-of-Concept In-Vivo PK Study

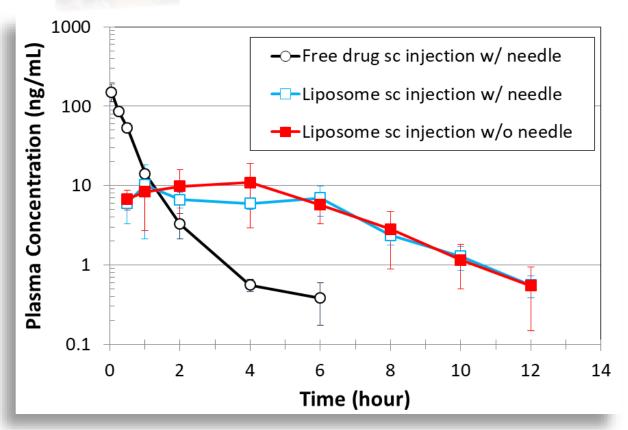


Inhalation Delivery with MV Nebulizer





Subcutaneous Injection with Needle-Free Injector

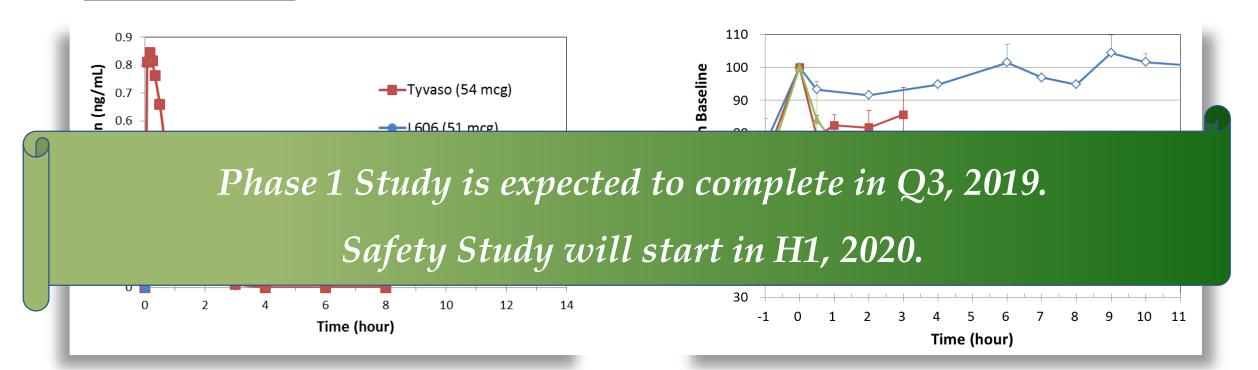




Leading Product: Inhaled Liposomal Treprostinil (L606)

- ✓ Lower Irritation & Adverse Events
- ✓ Extended Release & Steady Plasma Level

- ✓ Ventilation/Perfusion Match
- ✓ Prolonged Pharmacological Effect in Hypoxia-Induced Rats





Company Overview

Since 2016 **Capital**

USD 6.7 million

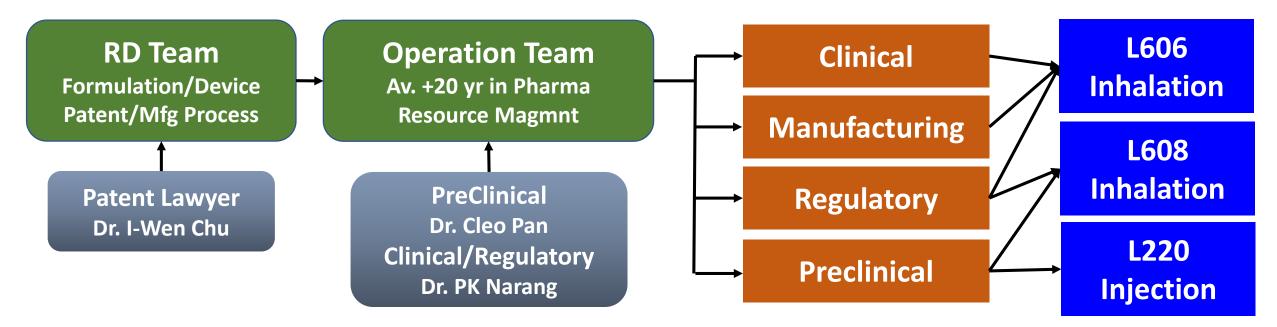
Location

Taipei, Taiwan

Employee

16

PHARMOSA (PBI) is a privately-owned R&D company focusing on improving clinical treatment regimen of existing medicines by utilizing extended-release formulation-device combination system for localized therapy through 505(b)2 regulatory pathway.





Business Strategy & Pipeline

PHARMOSA's business strategies:

- To seek collaboration partners or licensing opportunity after Ph1 study,
- To progress value enhancement at every product development stage through collaboration with partners, and/or
- To become a partner of choice for business development.

	Product Name	Indication	R&D	PoC Study	Pre- Clinical	IND	Ph 1	Pivotal Study	NDA
L606	Inhaled Liposomal Treprostinil	РАН							
L608	Inhaled Liposomal PH Drug	Pulmonary Vascular Disease							
L220	Liposomal Depot for Injection	Cardiovascular Disease							





Thank You for Your Attention!

Welcome to Visit Our Poster (A5056) at ATS Conference:

"Extended Release of Inhaled Liposomal Treprostinil Able to Prolong and Improve Reduction of Pulmonary Arterial Pressure in Hypoxia-Induced Pulmonary Hypertension Rats"

