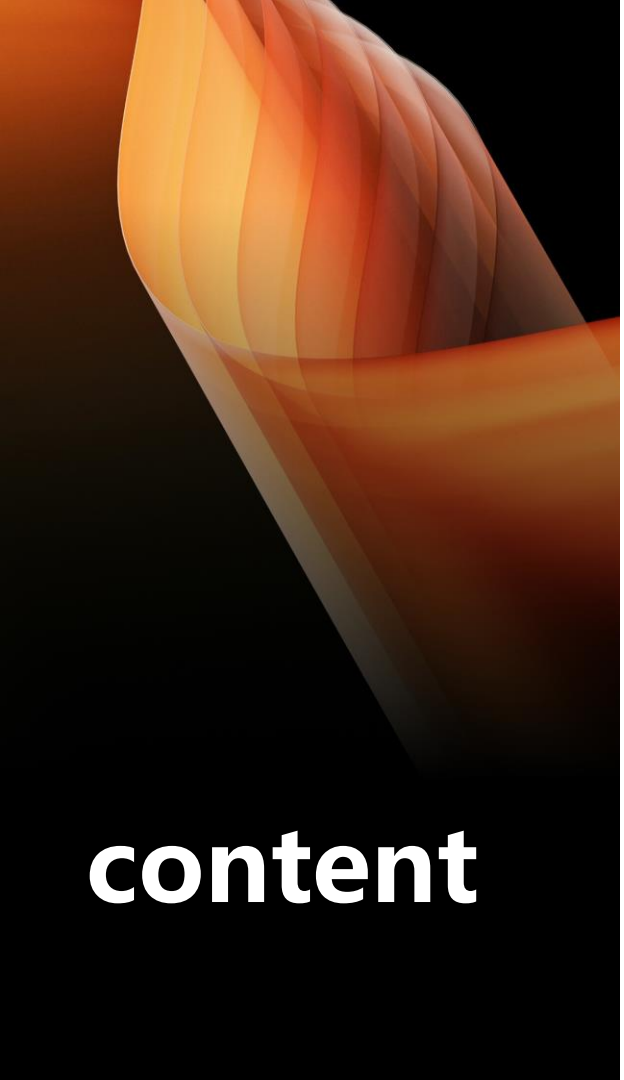
Guangdong Poctman Life Science Technology Co., Ltd.

Innovating Veterinary In Vitro Diagnostics

Edward



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Company Profile

01

Company Overview

- Founded: 2018, Dongguan, China
- Focus: Veterinary in-vitro diagnostic (IVD) innovation
- Technology: Pure wet chemistry POCT systems
- Patent: 30+
- Employees: 100+
- Area: R&D, production and operation area 3000㎡
- Certifications: ISO13485, CE-IVDR in progress

Company Honors

- A National High-Tech Enterprise
- A Provincial Specialized and Innovative SME
- The Dongguan city POCT Biochemistry Analyzer Center

Company Culture



Mission

Redefining Veterinary Diagnostics – Accurate, Affordable, Accessible

Founder-Dr.Luo Jincai



Background

Graduated from *Hsiang-Ya* Medical College
Doctor of Medicine
Chief Technician
The Innovation and Entrepreneurship Leading Talents in Dongguan City



***Hsiang-Ya* Medical College**

Formerly *Hunan-Yale* Medical School
Founded in 1914 by Yale-China Association
China's first medical school based on international collaboration
Hsiang-Ya Hospital founded in 1906 by Dr. Edward H. Hume(US)

MMS-II Veterinary Biochemistry Analyzer

02

Product Features



- Fully automated wet chemistry analyzer for POCT use
- Compact design (13kg), plug-and-play operation
- USB and cloud-enabled result delivery
- Accuracy comparable to IDEXX Catalyst One

Innovation

- **Lab-Grade Accuracy**: Utilizes mainstream human medical pure wet biochemistry for highly reliable results
- **Enhanced User Experience**: Easy to operate, fast reporting, Offers the convenience comparable to microfluidic dry chemistry
- **Breakthrough Innovation**: A POCT system that brings full wet biochemistry technology in human into veterinary in-house diagnostics

Competitive Advantages

- **Quality Control**:
  Supports both internal and external quality assessments, enabling result comparability across devices and institutions.
- **Traceability**:
  All test results traceable to international reference standards.
- **Data Management**:
  Integrated with Internet + Cloud Services for efficient and convenient data access, edit and print report in office or anywhere.
- **Minimal maintenance**: No need for calibration or liquid routing
- **Diverse reagent portfolio**: Pre-loaded panels for liver, kidney, electrolytes, CRP/SAA and more
- **Fast Turnaround**: Get comprehensive results in 20 minutes
- **Price-to-performance** leader among veterinary POCT systems

Technical Specifications

Specification	Description
Sample Type	Serum / Heparin lithium anticoagulated plasma
Sample Volume	60–120 µL
Reagent Discs	10+ types available; 7–24 tests per disc/sample
Detection Principle	Colorimetry, transmission turbidimetry
Analysis Methods	Endpoint, kinetic, and two-point methods
Wavelengths	8 wavelengths
Temperature Control	37°C ± 0.3°C
Light Source	Long-life halogen tungsten lamp (no replacement required)
Calibration	Fully automatic, real-time updates
Operating Environment	Temperature 10–30°C, Relative humidity≤80%
Power Supply	AC 100-220V, 50/60Hz
Rated Power	≤140VA
User Interface	7-inch Android touchscreen
Data Ports	4× USB, 1× Ethernet (LAN), 1× RS232 port
Storage Capacity	Up to 500,000 results
Repeatability (CV)	≤3.5%
Accuracy	Relative deviation ≤10%
Net Weight	13 kg
Dimensions (L×W×H)	385 mm × 345 mm × 458 mm

MMS-II Reagent Panels

03

Reagent Panels

18-Parameter Health Screening

TP, ALB, GLOB*, A/G*, TB, ALT, AST, BUN, Crea, B/C*, UA, TG, TC, GLU, PHOS, Ca, CK, AMY

24-Parameter Comprehensive Health Check

TP, ALB, GLOB*, A/G*, TB, ALT, GGT, ALP, AST, TBA, BUN, Crea, B/C*, UA, TG, TC, GLU, PHOS, Ca, tCO_2 ,CK, LPS , LDH ,AMY

14-Parameter Pre-Operative Biochemistry

TP, ALB, GLOB*, A/G*, TB, ALT, ALP AST, BUN, Crea, B/C*, GLU, CK, LDH

Reagent Panels

10-Parameter Pre-Operative Screening

TP, ALB, GLOB*, A/G*, ALT, ALP, BUN, Crea, B/C*, GLU, CK, LDH

12-Parameter Canine Inflammation

TP, ALB, GLOB*, A/G*, cCRP, ALT, BUN, Crea B/C*, CK, LPS, AMY

14-Parameter Feline Inflammation

TP, ALB, GLOB*, A/G*, f-SAA, ALT, GGT, ALP, TBA, BUN, Crea B/C*, CK, AMY

13-Parameter Electrolyte & Metabolic

K^+, Na^+, Cl^-, Ca, PHOS, Mg, tCO_2, LAC, GLU, BUN, Crea, B/C*, pH

Reagent Panels

4-Parameter Coagulation*

PT, APTT, Fib, TT

Blood Ammonia Test*

Ammonia (NH_3)



More Customized parameter panel based on market demand

Application and Development Plan

04

Application

Independent veterinary clinics

Meet daily diagnosis needs and provide fast and accurate test results

Mobile & field vets

Portable design, suitable for instant detection in various environments

Emergency clinics

Efficiently handle emergencies, shorten decision-making time and save lives

Veterinary schools & teaching labs

An ideal tool for education and research, promoting academic progress

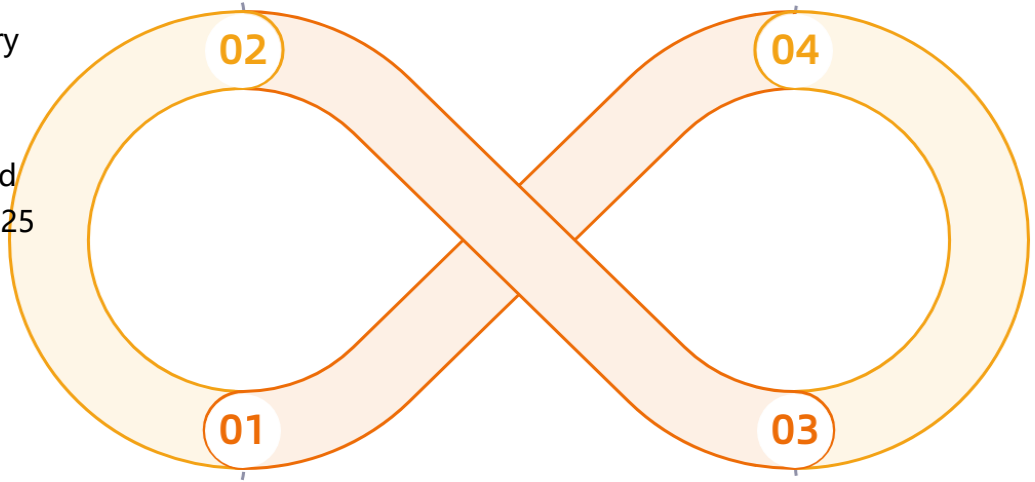
Veterinary Hospital & Labs

Backup machines, ready for use at any time

Development Planning

Immunoassay

An automated veterinary biochemistry & chemiluminescence immunoassay integrated system at the end of 2025



Comprehensive Coverage

Cover over 95% of routine tests of large hospital laboratories

Hematology

An automated hematology analyzer & microscopic examination integrated system

Desktop Lab

Enabling the creation of a desktop laboratory for veterinary use

Contact us

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Get in Touch

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THANKS