PERKONGSIAN LATIHAN LUAR NEGARA SIRI 4/2025

INTERNATIONAL TRAINING COURSE ON MAJOR TRANSBOUNDARY ANIMAL DISEASE DETECTION TECHNOLOGY IN CHINA

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MVZT(KELANTAN)

OUTLINE

INTRODUCTION

EVENT DETAILS

6TH - 20TH SEPTEMBER 2025

LANZHOU VETERINARY RESEARCH INSTITUTE (LVRI), CHINESE ACADEMY OF AGRICULTURAL SCIENCES (CAAS)

ONE (1) ATTENDEE

ORGANIZED & SUPPORTED BY

DEPARTMENT OF INTERNATIONAL COOPERATION OF THE MINISTRY OF SCIENCE AND TECHNOLOGY (MOST), INTERNATIONAL SCIENCE & TECHNOLOGY INNOVATION PROGRAM OF CAAS (CAASTIP)

SRR SEA, WOAH

OBJECTIVES

To improve the capability of diagnosis and detection of foot-and-mouth disease (FMD), African Swine Fever (ASF),Peste des petits ruminants (PPR), sheep/goat pox diseases and Mycoplasma hyopneumoniae from surrounding countries of China;

DIAGNOSIS

CONTROL

To strengthen the capability of regional joint prevention and control of major transboundary animal diseases;

To reduce the risk of introduction of the FMD, ASF,PPR and sheep/goat pox diseases into China from the surrounding countries;

REDUCE

ENHANCE

To enhance international exchanges and expand the influence of the Lanzhou Veterinary Research Institute of Chinese Academy of Agricultural Sciences and the WOAH/ China National Reference Laboratory for FMD;

To acknowledge the experience from other countries and promote international collaboration.

ACKNOWLEDGE

MAIN
ACTIVITIES

SEROLOGICAL TEST

Liquid Phase Blocking ELISA (LPBE)

Sheep Pox Virus ELISA

Peste Des Petits Ruminants (PPRV) Competitive ELISA

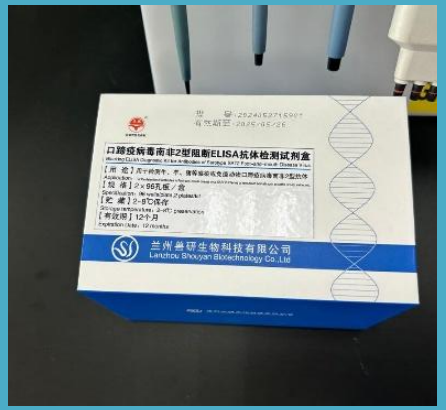
Contagious Caprine Pleuropneumonia (CCPP)

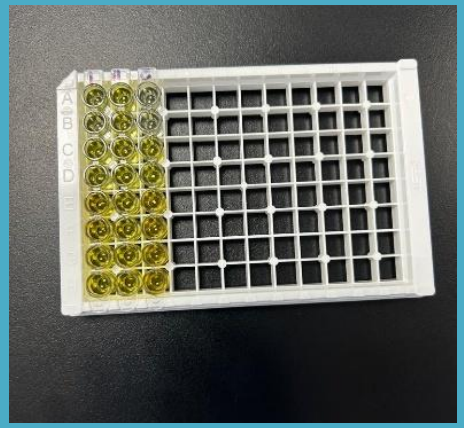
Competitive ELISA

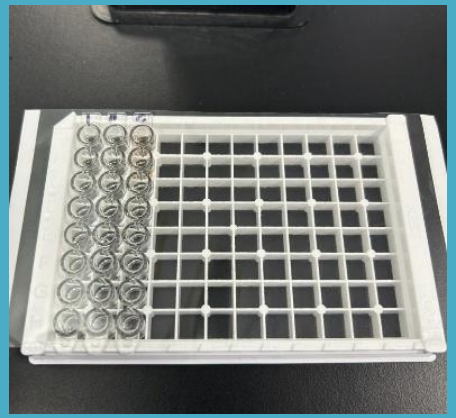
Mycoplasma Ovipneumoniae

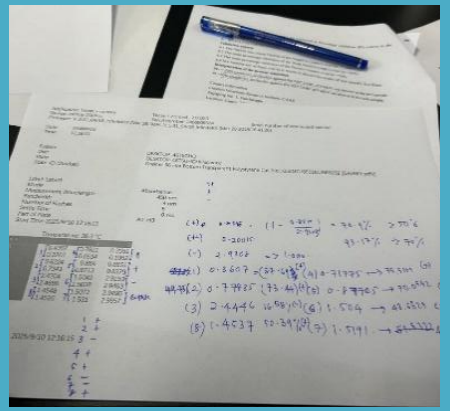
IHA

SEROLOGICAL TEST

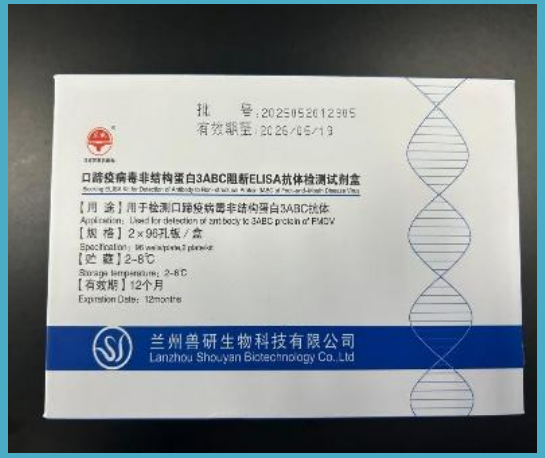








- FMDV Serotypes O, A, and Asia 1 ELISA
- FMDV 3 ABC Ab ELISA
- FMDV SAT-2 Antibody ELISA
- Ovine Echinococcosis ELISA
- Bovine Echinococcosis ELISA
- Sheep or Goat Immunized Echinococcosis Vaccine ELISA
- Brucella Competitive ELISA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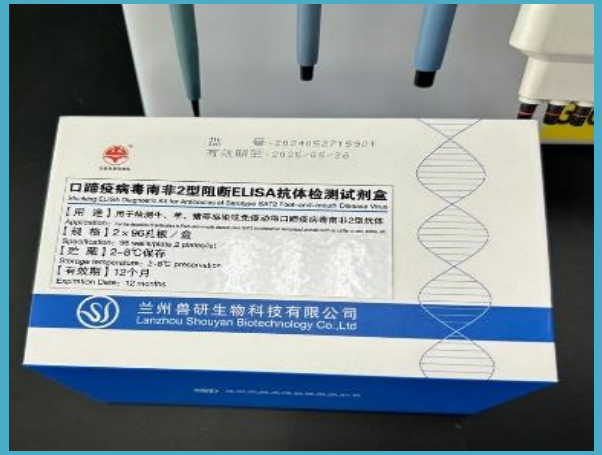
有效期至:2026/05/19
口蹄疫病毒非结构蛋白3ABC阻断ELISA抗体检测试剂盒
【用　途】用于检测口蹄疫病毒非结构蛋白3ABC抗体
【规　格】2×96孔板/盒
【贮　藏】2-8℃
【有效期】12个月
兰州兽研生物科技有限公司
Lanzhou Shouyan Biotechnology Co.,Ltd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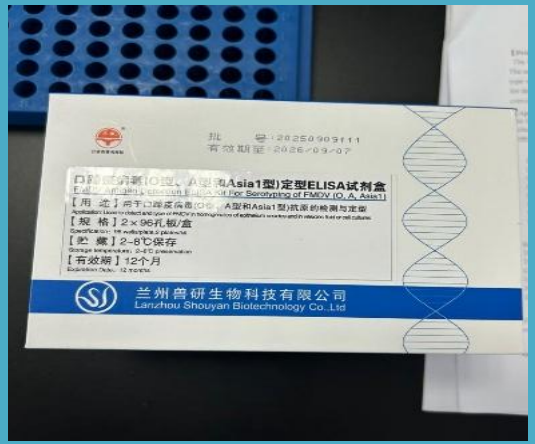
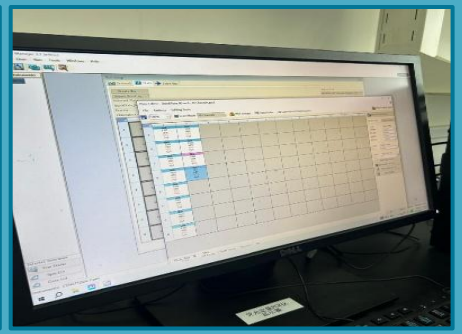
有效期至:2025/05/26
口蹄疫病毒南非2型阻断ELISA抗体检测试剂盒
【用　途】用于检测牛、羊、猪等感染或免疫动物口蹄疫病毒南非2型抗体
【规　格】2×96孔板/盒
【贮　藏】2-8℃保存
【有效期】12个月
兰州兽研生物科技有限公司
Lanzhou Shouyan Biotechnology Co.,Ltd

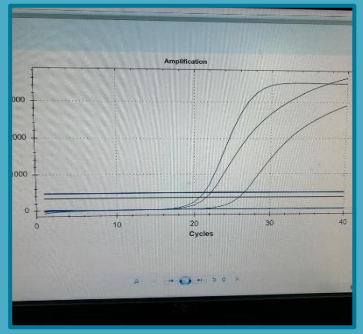

羊棘球蚴病(包虫病)ELISA感染抗体检测试剂盒
ELISA Kit for Detecting Antibodies of Ovine Echinococcosis
【用　途】用于羊棘球蚴（包虫）病的血清学诊断
【规　格】2块板/盒
【贮　藏】2-8℃保存
【有效期】12个月
兰州兽研生物科技有限公司
Lanzhou Shouyan Biotechnology Co.,Ltd
牛棘球蚴病（包虫病）ELISA感染抗体检测试剂盒
ELISA Kit for Detecting Antibodies of Bovine Echinococcosis
【用　途】适用于牛棘球蚴(包虫)病的血清学诊断
【规　格】2×96孔板/盒
【贮　藏】2-8℃保存
【有效期】12个月
兰州兽研生物科技有限公司
Lanzhou Shouyan Biotechnology Co.,Ltd
羊棘球蚴病(包虫病)ELISA免疫抗体检测试剂盒
【用　途】用于羊棘球蚴EG95基因工程疫苗免疫后抗体的血清学诊断
【规　格】2块板/盒
【贮　藏】2-8℃保存
【有效期】12个月
兰州兽研生物科技有限公司
Lanzhou Shouyan Biotechnology Co.,Ltd


批　号:20250909111
有效期至:2026/09/07
【用　途】用于口蹄疫病毒(O型、A型和Asia1型)定型ELISA试剂盒
【规　格】2×96孔板/盒
【贮　藏】2-8℃保存
【有效期】12个月
兰州兽研生物科技有限公司
Lanzhou Shouyan Biotechnology Co.,Ltd


批　号:20250325130
有效期至:2026/03/24
布鲁氏菌竞争ELISA抗体检测试剂盒
Brucella Competitive ELISA Antibody Detection Kit
【用　途】用于检测牛、羊血清中的光滑型布鲁氏菌抗体
【规　格】2×96孔板/盒
【贮　藏】2-8℃保存
【有效期】12个月
兰州兽研生物科技有限公司
Lanzhou Shouyan Biotechnology Co.,Ltd

MOLECULAR TEST





For each sample analyzed, the results should be interpreted as shown below:

	Ct value	Interpretation
FAM channel	Ct value≤33	I177L gene positive
	33 < Ct value≤37	I177L gene doubtful, If the repeat test yields a Ct value ≤ 37, the sample shall be determined as I177L nucleic acid test positive; if the repeat test yields a Ct value > 37, it shall be determined as I177L nucleic acid test negative.
	Ct value > 37or NO CT	I177L gene negative
HEX/VIC channel	Ct value≤33	B646L gene positive
	33 < Ct value≤37	B646L gene doubtful, If the repeat test yields a Ct value ≤ 37, the sample shall be determined as B646L nucleic acid test positive; if the repeat test yields a Ct value > 37, it shall be determined as B646L nucleic acid test negative.
	Ct value > 37or NO CT	B646L gene negative

RT qPCR

PPRV

qPCR

ASF

RT qPCR

AI

RT qPCR

FMDV

OROPHARYNGEAL SPECIMEN & BLOOD COLLECTION

- OP sample
- Blood collection:
  - Jugular vein
  - Coccygeal vein

CHALLENGES

Variation in Regional Capacity

- Diagnostic capacity
- Surveillance systems

Data Sharing and Transparency Sensitivities

- Sharing data of diagnostic test kit evaluation
- Evaluating response strategies

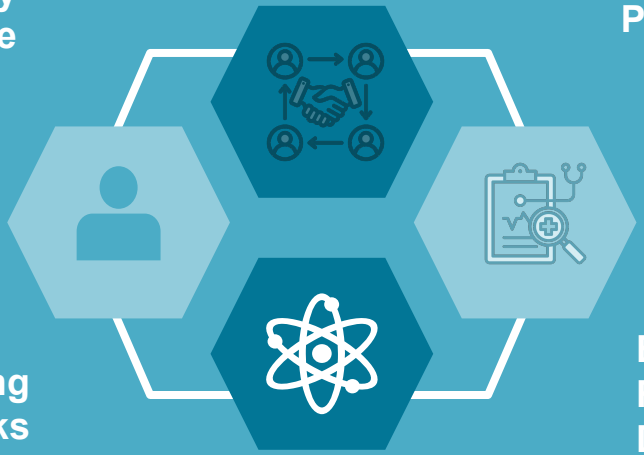
Language and Technical Terminology Barriers

- Translating technical or scientific terms
- Misinterpretation

SUGGESTION FOR IMPROVEMENT

Strengthen Staff Competency and Technical Knowledge

Promote International Networking



Strengthen Contingency Planning and Response Frameworks

Enhancing Preparedness and Response Planning Through Diagnostic Technology


Thank you
For your attention!!!