

脱落细胞检测技术 (痕迹监测)

在猪传染性疾病控制中的应用

Controlling Swine Infectious Disease
by Testing Shedding Cells

Science-driven solutions®



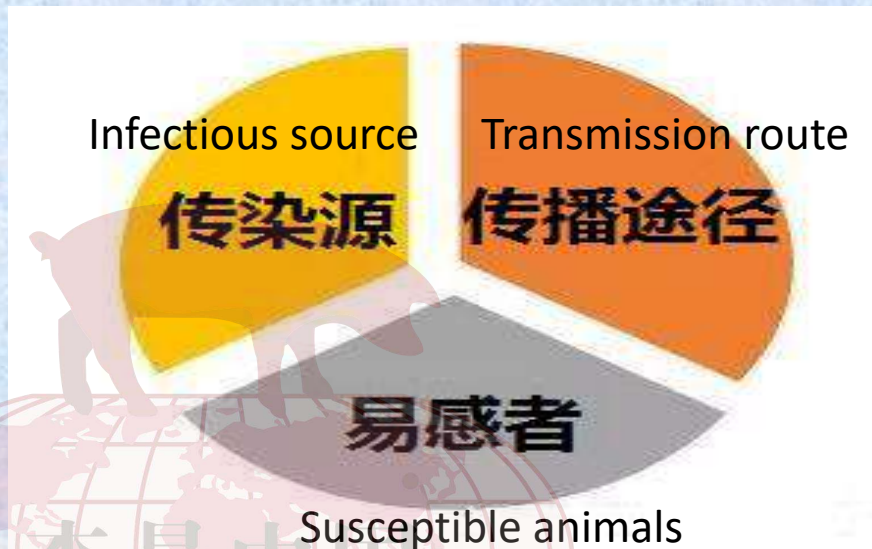
阻止区域内、外生物体交换的一种隔离措施。

A quarantine measure that prevents the exchange of organisms within and outside the area.

1. 生物隔离

Science-driven solutions®

BIOSECURITY



控制传染源、切断传播途径、保护易感者。

Control the source of infection, cut off transmission routes, and protect susceptible individuals.

切断传播途径

ROUTE OF TRANSMISSION



清扫 (环境)	Sweeping (environment)
清洁 (环境)	Cleaning (environment)
清洗 (环境)	Washing (environment)
消毒 (病原)	Disinfection (pathogen)

切断传播途径的方法

ROUTE OF TRANSMISSION

人工观察 Manual observation
动物试验 Animal testing
技术检验 Technical Inspection



效果评估

EFFECT EVALUATION

Science-driven solutions®



痕迹检验是运用刑事科学的技术手段，发现、提取、分析、检验鉴定犯罪分子遗留在案件现场上的各种痕迹物证，为侦查破案提供线索和证据。痕迹检验包括手印、足迹、工具痕迹、枪弹痕迹、牙齿痕迹、车轮痕迹、牲畜蹄迹和接体分离痕迹的检验等。

Trace inspection is the use of criminal science techniques to discover, extract, analyze, examine and identify various trace evidence left by criminals on the scene of a case, providing clues and evidence for investigation and case solving. Trace inspection includes the examination of fingerprints, footprints, tool marks, bullet marks, tooth marks, wheel marks, livestock hoof marks, and joint separation marks.

传染性疾病的痕迹鉴定是一种阻止特定动物脱落细胞引发感染的现代技术，主要采用DNA或RNA检测技术。

The identification of traces of infectious diseases is a modern technology that prevents specific animals from shedding cells and causing infections, mainly using DNA or RNA detection techniques.

2. 痕迹监测

TRACE SURVEILLANCE

Science-driven solutions®





RNA痕迹检验 RNA trace testing

DNA痕迹检验 DNA trace testing

核酸痕迹检验

TRACE TESTING

Science-driven solutions®



1. 入场的外部材料（饲料及外包装、药品、疫苗、工具）

1. External materials for entry (feed and packaging, drugs, vaccines, tools)

2.1 检测区域

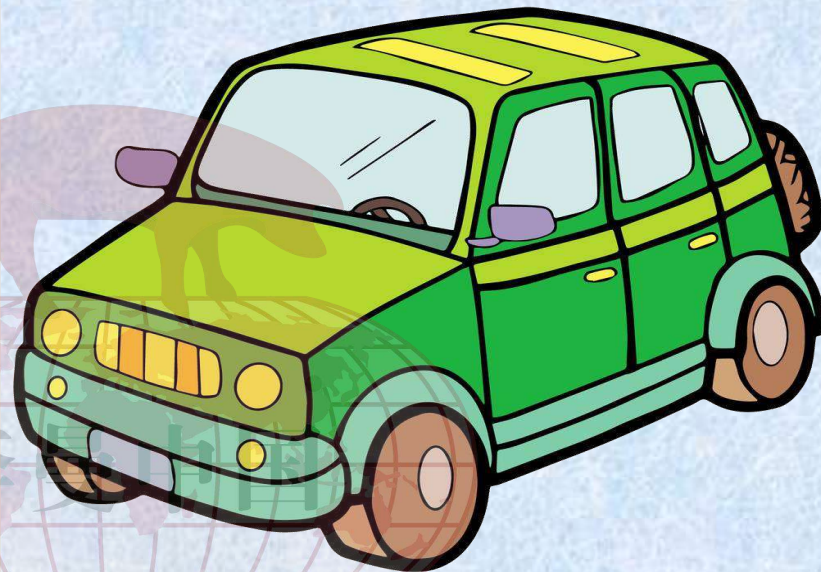
SURVEILLANCE ZONE

2. 车辆、轮胎、鞋底

2. Vehicles, tires, and shoe soles

2.1 检测区域

SURVEILLANCE ZONE



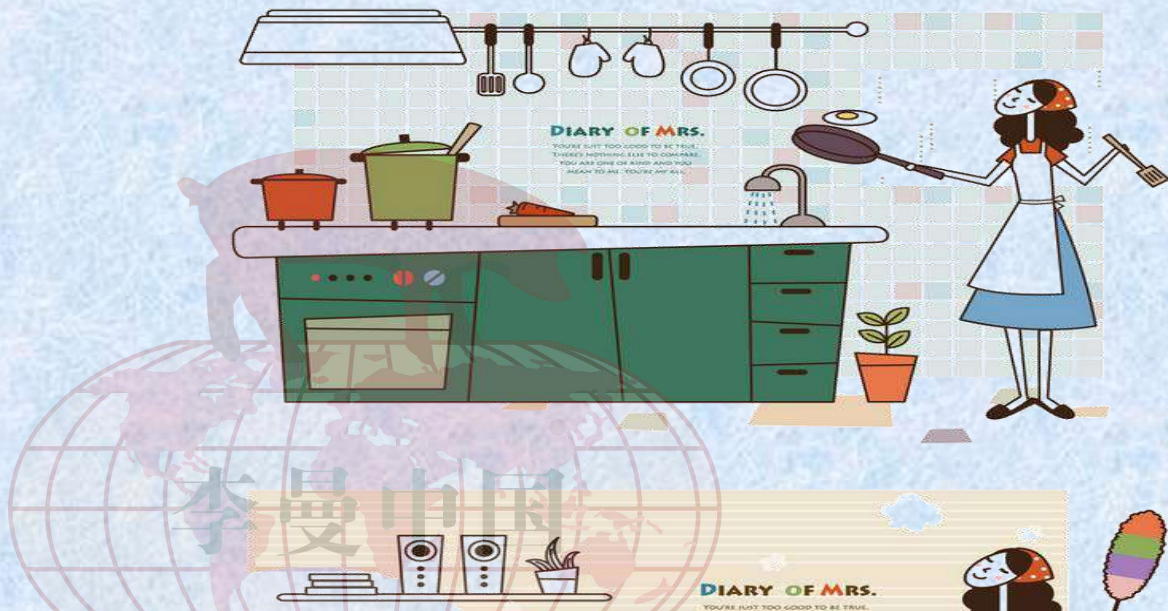
Science-driven solutions®

3. 厨房

3. Kitchen

2.1 检测区域

SURVEILLANCE ZONE



4. 员工

4. Employees

场内员工（日常）On site staff (daily)

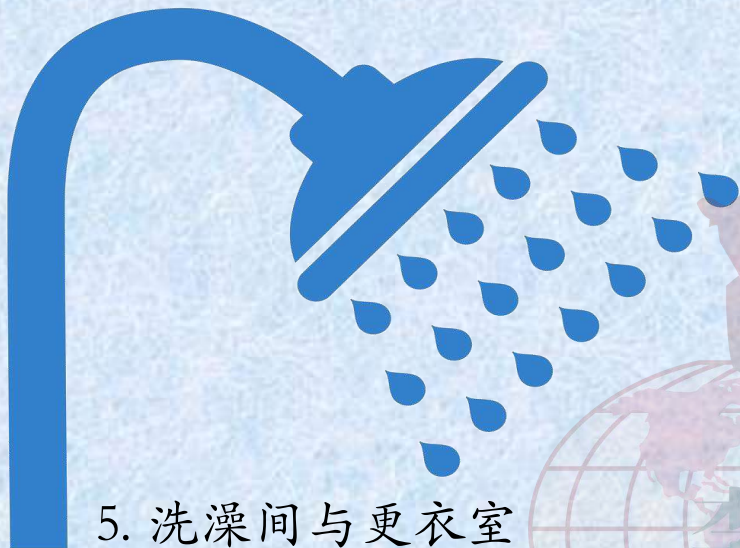
返场员工（重点）Returning employees (key)



2.1 检测区域

SURVEILLANCE ZONE

Science-driven solutions®



5. 洗澡间与更衣室

5. Bathing room and changing room

2.1 检测区域

SURVEILLANCE ZONE

Science-driven solutions®

6. 出猪台

6. Exit the pig platform

2.1 检测区域

SURVEILLANCE ZONE





7. 门卫室及大门外环境

7. Guard room and external environment of the gate

2.1 检测区域

SURVEILLANCE ZONE

Science-driven solutions®

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/588032034074007044>