



# FAO Reference Centres

May 2021

## AUSTRALIA

### Commonwealth Scientific and Industrial Research Organisation (CSIRO) Australian Animal Health Laboratory (AAHL)

**Designation:** FAO Reference Centre for Laboratory Biorisk Management

**Technical Area:** Laboratory Biological risk management

**Laboratory:** CSIRO Australian Animal Health Laboratory

[Website](#)

### Australian Animal Health Laboratory (AAHL) - Commonwealth Scientific and Industrial Research Organisation (CSIRO)

**Designation:** FAO Reference Centre for animal influenza and Newcastle disease

**Technical Area:** Animal Influenza and Newcastle disease

**Laboratory:** CSIRO Australian Animal Health Laboratory

[Website](#)

## BELGIUM

### Veterinary and Agrochemical Research Centre (SCIENSANO-CODA-CERVA)

**Designation:** FAO Reference Centre for vesicular diseases

**Technical Area:** FMD and other vesicular diseases

**Laboratory:** Sciensano

[Website](#)

## FAO Reference Centres for antimicrobial resistance

FAO counts on Reference Centres to support the Organization's work to combat AMR across sectors in food and agriculture and around the world.

Each Reference Centre has key planned activities in line with [FAO's Action Plan on AMR](#).

The main objectives of Reference Centre activities are to raise awareness, develop laboratory and surveillance capacities, strengthen governance and promote good practices.

See the list of FAO Reference Centres for antimicrobial resistance [here](#).

## BURKINA FASO

### Centre International de Recherche-Développement sur (CIRDES)

**Designation:** FAO Reference Centre pour les vecteurs et les maladies animales africaines vectorielles

**Technical Area:** Vector-Borne diseases

[Website](#)

## CANADA

### Canadian Food Inspection Agency-National Centre for Foreign Animal Disease (CFIA-NCFAD)

**Designation:** FAO Reference Centre for foot-and-mouth disease and other vesicular diseases for Central and South American Countries

**Technical Area:** FMD, vesicular diseases

**Laboratory:** The National Centre for Foreign Animal Disease

[Website](#)

## CHINA

### Animal Influenza Laboratory (AIL), Harbin Veterinary Research Institute, CAAS

**Designation:** FAO Reference Centre for animal influenza

**Technical Area:** Animal Influenza

**Laboratory:** Animal Influenza Laboratory, Harbin Veterinary Research Institute

[Website](#)

## ETHIOPIA

### African Union-Pan African Veterinary Vaccine Centre (AU-PANVAC)

**Designation:** FAO Reference Centre for technical assistance in quality control of veterinary vaccines

**Technical Area:** Vaccine quality control testing

**Laboratory:** The Pan African Veterinary Center of the African Union

[Website](#)

## FRANCE

### Agence nationale de sécurité sanitaire de l'alimentation, de l'environnement et du travail (ANSES)

**Designation:** Centre de référence de la FAO pour la fièvre aphteuse et les maladies vésiculeuses

**Technical Area:** FMD, vesicular diseases

**Laboratory:** Laboratoire de santé Animale

[Website](#)

### Centre de coopération Internationale en Recherche Agronomique pour le Développement (CIRAD)

**Designation:** Centre de référence de la FAO pour les morbillivirus des ruminants/PPR et peste bovine

**Technical Area:** Morbillivirus, PPR, Rinderpest

**Laboratory:** UMR ASTRE (Animal, Santé, Territoires, Risques, Ecosystèmes) CIRAD-INRA

[Website](#)

### Centre de coopération Internationale en Recherche Agronomique pour le Développement (CIRAD)

**Designation:** Centre de référence de la FAO pour la péripneumonie contagieuse bovine, (PPCB) pleuropneumonie contagieuse caprine (PPCC) et autres mycoplasmoses des ruminants

**Technical Area:** CBPP, CCPP

**Laboratory:** UMR ASTRE (Animal, Santé, Territoires, Risques, Ecosystèmes) CIRAD-INRA

[Website](#)

## GERMANY

### Panel Veterinary Public Health Faculty of Veterinary Medicine Freie Universität Berlin

**Designation:** FAO Reference Centre for veterinary public health

**Technical Area:** VPH

**Laboratory:** Institute of Virology veterinary

[Website](#)

### Friedrich-Loeffler-Institut (FLI)

**Designation:** FAO Reference Centre for animal influenza and Newcastle disease

**Technical Area:** Animal influenza and Newcastle disease

**Laboratory:** The Friedrich-Loeffler-Institut

[Website](#)

### Friedrich-Loeffler-Institut (FLI)

**Designation:** FAO Reference Centre for Classical Swine Fever

**Technical Area:** Classical Swine Fever

**Laboratory:** The Friedrich-Loeffler-Institut

[Website](#)

## KENYA

### International Centre of Insect Physiology and Ecology (ICIPE)

**Designation:** FAO Reference Centre for vectors and vector-borne animal diseases (tsetse flies and animal trypanosomiasis; arthropod-transmitted viral animal pathogens)

**Technical Area:** Vector-Borne diseases

**Laboratory:** International Centre of Insect Physiology and Ecology

[Website](#)

## ITALY

### Istituti Zooprofilattici Sperimentali (IZSs) Network

**Designation:** FAO Reference Centre for Animal Health and Food Security

**Technical Area and Centre:**

*Brucellosis* - IZS Abruzzo e Molise [website](#)

*Lumpy skin disease* - IZS Abruzzo e Molise [website](#)

*Apiculture* - IZS Lazio e Toscana [website](#); IZS Venezia [website](#)

*Animal Welfare* - IZS Lombardia e Emilia Romagna [website](#);

IZS Abruzzo e Molise [website](#)

*Swine Farm Biosecurity* - IZS Lombardia e Emilia Romagna [website](#);

IZS Umbria e Marche [website](#); IZS Sardegna [website](#)

**Veterinary database:** LIMS and animal identification system - IZS Abruzzo e Molise [website](#)

### Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna (IZSLER)

**Designation:** FAO Reference Centre for foot-and-mouth disease and swine vesicular disease

**Technical Area:** FMD

**Laboratory:** National Reference Centre for Vesicular Diseases – Dpt. Biotechnology

[Website](#)

### Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise (IZSAM)

**Designation:** FAO Reference Centre for veterinary epidemiology

**Technical Area:** Veterinary Epidemiology

**Laboratory:** The Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise

[Website](#)

### Istituto Zooprofilattico Sperimentale delle Venezie (IZSVe)

**Designation:** FAO Reference Centre for animal influenza and Newcastle disease

**Technical Area:** Animal Influenza and Newcastle disease

**Laboratory:** The Diagnostic Virology Laboratory

[Website](#)

### Istituto Zooprofilattico Sperimentale delle Venezie (IZSVe)

**Designation:** FAO Reference Centre for rabies

**Technical Area:** Rabies

**Laboratory:** Istituto Zooprofilattico Sperimentale delle Venezie (IZSVe)

[Website](#)

## INDIA

### Directorate on foot-and-mouth disease (PDFMD) of Indian Council of Agricultural Research (ICAR)

**Designation:** FAO Reference Centre for foot-and-mouth disease

**Technical Area:** FMD

**Designation:** Indian Veterinary Research Institute

[Website](#)

## PORTUGAL

### Agriculture and Veterinary National Research Institute (INIAV) (former Laboratório Nacional de Investigação Veterinária -LNIV)

**Designation:** FAO Reference Centre for contagious bovine pleuropneumonia

**Technical Area:** CBPP

**Laboratory:** The National Institute for Agrarian and Veterinarian Research

[Website](#)

## RUSSIA

### Federal Governmental Budgetary Institution "Federal Centre for Animal Health" (FGBI "ARRIAH")

**Designation:** FAO Reference Centre for foot-and-mouth disease for Central Asia and West Eurasia

**Technical Area:** FMD

**Laboratory:** ARRIAH Testing Centre

[Website](#)

## SOUTH AFRICA

### Agricultural Research Council: Onderstepoort Veterinary Institute (ARC-OVI)

**Designation:** FAO Reference Centre for foot-and-mouth disease (FMD) in Africa

**Technical Area:** FMD

**Laboratory:** ARC-Onderstepoort Veterinary Research

[Website](#)

### Agricultural Research Council (ARC)

**Designation:** FAO Reference Centre for vectors and vector-borne diseases in Africa

**Technical Area:** Vector-Borne diseases

**Laboratory:** ARC-Onderstepoort Veterinary Research (ARC-OVI)

[Website](#)

### Agricultural Research Council: Onderstepoort Veterinary Institute (ARC-OVI)

**Designation:** FAO Reference Centre for African swine fever

**Technical Area:** African swine fever

**Laboratory:** Onderstepoort Veterinary Institute

[Website](#)

### Agricultural Research Council: Onderstepoort Veterinary Institute (ARC-OVI)

**Designation:** FAO Reference Centre for Vectors & Vector-borne Diseases in Africa

**Technical Area:** Vector-Borne diseases

**Laboratory:** Onderstepoort Veterinary Institute

[Website](#)

## SWITZERLAND

### Swiss Institute of Bioinformatics (SIB)

**Designation:** FAO Reference Centre for bioinformatics

**Technical Area:** Bioinformatics, risk modelling, risk management

**Laboratory:** Swiss Institute of Bioinformatics

[Website](#)

## SPAIN

### Centro de Investigación en Sanidad Animal - Instituto nacional de investigación y tecnología agraria y alimentaria (CISA-INIA)

**Designation:** Centro de Referencia de la FAO en el ámbito de la gestión de riesgos biológicos de laboratorio

**Technical Area:** Laboratory Biological risk management

**Laboratory:** Centro de Investigación en Sanidad Animal

[Website](#)

### Universidad de València

**Designation:** Centro de Referencia de la FAO para Parasitología

**Technical Area:** Parasitología

**Laboratory:** Departamento de Parasitología Facultad de Farmacia

[Website](#)

### Centro de Investigación en Sanidad Animal - Instituto nacional de investigación y tecnología agraria y alimentaria (CISA-INIA), Spain (ASF)

**Designation:** Centro de Referencia de la FAO para la peste porcina africana

**Technical Area:** ASF

**Laboratory:** Centro de Investigación en Sanidad Animal

[Website](#)

## THAILAND

### Monitoring and Surveillance Centre for Zoonotic Diseases in Wildlife and Exotic Animals (MoZWE), Faculty of Veterinary Science, Mahidol University

**Designation:** FAO Reference Centre for zoonotic and Wildlife diseases

**Technical Area:** Wildlife

**Laboratory:** Monitoring and Surveillance Centre for Zoonotic Diseases in Wildlife and Exotic Animals

[Website](#)

## THE NETHERLANDS

### Wageningen Bioveterinary Research (WBVR)

**Designation:** FMD vaccine quality control center

**Technical Area:** FMD

**Laboratory:** Wageningen Bioveterinary Research

[Website](#)

### Wageningen Bioveterinary Research (WBVR)

**Designation:** FAO Reference Center for Veterinary epidemiology

**Technical Area:** Veterinary epidemiology

**Laboratory:** Wageningen Bioveterinary Research

[Website](#)

## UNITED KINGDOM

### Royal Veterinary College (RVC) University of London

**Designation:** FAO Reference Centre for veterinary epidemiology

**Technical Area:** Veterinary Epidemiology

**Laboratory:** Pathology and Diagnostic Laboratories

[Website](#)

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### Website Pirbright Institute, Pirbright

**Designation:** FAO Reference Centre for foot-and-mouth disease, World Reference Laboratory

**Technical Area:** Parasitologia

**Laboratory:** Departamento de Parasitología Facultad de Farmacia

[Website](#)

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### Veterinary Epidemiology and Economics Research Unit (VEERU), University of Reading

**Designation:** FAO Reference Centre for veterinary epidemiology and economics

**Technical Area:** Veterinary Epidemiology

**Laboratory:** Veterinary Epidemiology and Economics Research Unit (VEERU)

[Website](#)

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### Animal & Plant Health Agency (APHA) (ex-AHVLA)

**Designation:** FAO Reference Centre for animal influenza and Newcastle disease

**Technical Area:** Animal influenza and Newcastle disease

**Laboratory:** Animal and Plant Health Agency

[Website](#)

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### Animal and Plant Health Agency (APHA) (ex-AHVLA)

**Designation:** FAO Reference Centre for brucellosis

**Technical Area:** Brucellosis

**Laboratory:** Animal and Plant Health Agency

[Website](#)

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## USA

### Animal Population Health Institute (APHI), Colorado State University, Fort Collins Colorado

**Designation:** FAO Reference Centre for veterinary epidemiology  
Veterinary

**Technical Area:** Epidemiology

**Laboratory:** APHI Laboratory

[Website](#)

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### The Centre for Animal Disease Modelling and Surveillance (CADMS), University of California, Davis

**Designation:** FAO Reference Centre for Veterinary Epidemiology

**Technical Area:** Veterinary Epidemiology

**Laboratory:** California Animal Health and Food Safety Laboratory

[Website](#)

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### Southeast Poultry Research Laboratory (SEPRL), Athens, Georgia

**Designation:** FAO Reference Centre for animal influenza and Newcastle disease

**Technical Area:** Animal Influenza and Newcastle disease

**Laboratory:** Southeast Poultry Research Laboratory

[Website](#)

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### National Veterinary Services Laboratory (NVSL) - Animal Health Inspection Service (APHIS)

**Designation:** FAO Reference Centre for bovine tuberculosis and paratuberculosis

**Technical Area:** Tuberculosis

**Laboratory:** National Veterinary Services Laboratories

[Website](#)

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### Foreign Animal Disease Diagnostic Laboratory (FADDL) of the National Veterinary Service Laboratories (NVSL)

**Designation:** FAO Reference Centre for Diagnostics on Rinderpest

**Technical Area:** Rinderpest diagnostics

**Laboratory:** Foreign Animal Disease Diagnostic Laboratory

[Website](#)

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### United States Geological Survey (USGS) National Wildlife Health Center (NWHC)

**Designation:** FAO Reference Centre for Wildlife Health and Wildlife Disease Diagnostics

**Technical Area:** Wildlife

**Laboratory:** USGS National Wildlife Health Center

[Website](#)

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