

# WOAH Reference Laboratory Reports Activities 2025

This report has been submitted: 17 février 2026 05:49

## LABORATORY INFORMATION

<b>*Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:</b>	Lumpy skin disease
<b>*Address of laboratory:</b>	Agricultural Research Council-Onderstepoort Veterinary Institute, Private Bag X5, Onderstepoort, 0110, Pretoria
<b>*Tel:</b>	+27125299225
<b>*E-mail address:</b>	vanschalkwykA1@arc.agric.za
<b>Website:</b>	www.arc.agric.za
<b>*Name (including Title) of Head of Laboratory (Responsible Official):</b>	Dr. Arshad Mather, Acting Senior Manager, ARC-OVI
<b>*Name (including Title and Position) of WOAH Reference Expert:</b>	Dr. Antoinette van Schalkwyk, Senior Researcher
<b>*Which of the following defines your laboratory? Check all that apply:</b>	Research agency

## TOR1: DIAGNOSTIC METHODS

1. Did your laboratory perform diagnostic tests for the specified disease/topic for purposes such as disease diagnosis, screening of animals for export, surveillance, etc.? (Not for quality control, proficiency testing or staff training)

Yes

Diagnostic Test	Indicated in WOAH Manual (Yes/No)	Total number of test performed last year	
		Nationally	Internationally
<b>Indirect diagnostic tests</b>			
VNT	Yes	451	0
ELISA	Yes	100	0
<b>Direct diagnostic tests</b>			
PCR	No	781	0

## TOR2: REFERENCE MATERIAL

2. Did your laboratory produce or supply imported standard reference reagents officially recognised by WOAH?

No

3. Did your laboratory supply standard reference reagents (nonWOAH-approved) and/or other diagnostic reagents to WOAH Members?

No

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOAH Members?

## TOR3: NEW PROCEDURES

6. Did your laboratory develop new diagnostic methods for the designated pathogen or disease?

- No
7. Did your laboratory validate diagnostic methods according to WOAHS Standards for the designated pathogen or disease?
- No
8. Did your laboratory develop new vaccines for the designated pathogen or disease?

9. Did your laboratory validate vaccines according to WOAHS Standards for the designated pathogen or disease?

## TOR4: DIAGNOSTIC TESTING FACILITIES

10. Did your laboratory carry out diagnostic testing for other WOAHS Members?
- No
11. Did your laboratory provide expert advice in technical consultancies on the request of an WOAHS Member?
- No

## TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

12. Did your laboratory participate in international scientific studies in collaboration with WOAHS Members other than the own?

Yes

Title of the study	Duration	Purpose of the study	Partners (Institutions)	WOAHS Member Countries involved other than your country
Capacity development towards LSD detection and control in China	3 Years: 2024-2026	Twinning project with China	China Animal Health and Epidemiology Center	CHINA (PEOPLE'S REP. OF)

13. In exercising your activities, have you identified any regulatory research needs\* relevant for WOAHS?
- No

## TOR6: EPIZOOLOGICAL DATA

14. Did your Laboratory collect epidemiological data relevant to international disease control?

Yes

If the answer is yes, please provide details of the data collected:

Complete genome sequencing of circulating strains

15. Did your laboratory disseminate epidemiological data that had been processed and analysed?

Yes

If the answer is yes, please provide details of the data collected:

Genome wide comparisons of the current and previous circulating strains in South Africa

16. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category and list the details in the box)

a) Articles published in peer-reviewed journals:

0

b) International conferences:

1

*Dr. van Schalkwyk was in a panel discussion for the 12th RSC of the GF-TADs for Africa in Mbabane, Eswatini (13 March 2025).*

c) National conferences:

2

*Toward the development of a novel serological assay capable of differentiating between vaccine and field lumpy skin disease virus". 17th GDARD Agricultural Research Symposium (ARS) - 2025*

*Development of a novel serological assay capable of differentiating between animals vaccinated or naturally infected with lumpy skin disease virus. 10th South African Immunology Society Conference*

d) Other (Provide website address or link to appropriate information):

## TOR7: SCIENTIFIC AND TECHNICAL TRAINING

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOA Members?

Yes

a) Technical visit : 0

b) Seminars : 45

c) Hands-on training courses: 0

d) Internships (>1 month) 0

Type of technical training provided (a, b, c or d)	Country of origin of the expert(s) provided with training	No. participants from the corresponding country
B	SOUTH AFRICA	45

## TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)
ISO 17025	Certificate of accreditation issued by the South African National Accreditation System (SANAS)

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Various disease listed in the attached document	South African National Accreditation System (SANAS)

20. Does your laboratory maintain a "biorisk management system" for the pathogen and the disease concerned?

Yes

We have been following the recommendations of the Terrestrial Manual

## TOR9: SCIENTIFIC MEETINGS

21. Did your laboratory organise scientific meetings related to the pathogen in question on behalf of WOA?

No

22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOA?

No

## TOR10: NETWORK WITH WOA REFERENCE LABORATORIES

Antoinette Van Schalkwyk - - SOUTH\_AFRICA

23. Did your laboratory exchange information with other WOA Reference Laboratories designated for the same pathogen or disease?

Yes

24. Are you a member of a network of WOA Reference Laboratories designated for the same pathogen?

No

25. Did you organise or participate in inter-laboratory proficiency tests with WOA Reference Laboratories designated for the same pathogen during the past 2 years?

Yes

Purpose of the proficiency test:	Role of your Reference Laboratory (organiser/ participant)	No. participating Laboratories	Participating WOA Ref. Labs/ organising WOA Ref Lab
Molecular identification of LSDV	Organizer	2	The Pirbright Institute Sciensano

26. Did your laboratory collaborate with other WOA Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?

No

## TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING

27. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than WOA Reference Laboratories for the same pathogen during the past 2 years?

Yes

Purpose for inter-laboratory test comparisons <sup>1</sup>	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Name of the test	WOAH Member Countries
Molecular identification of LSDV	Organizer	1	Bio-T kit Lumpy Skin Disease (BioSellal)	FRANCE,

## TOR12: EXPERT CONSULTANTS

28. Did your laboratory place expert consultants at the disposal of WOA?

Yes

Kind of consultancy	Location	Subject (facultative)
Review of Chapter 19	Online	Answers questions originating from the member countries

29. Additional comments regarding your report:

No