

SPECIMEN SUBMISSION GUIDELINE

April 2025 – March 2026

The laboratory is open Mondays to Fridays 8:00 to 16:30

Submission forms are available from the laboratory, contract tel: 021 808 7510 and can be downloaded from the website: <https://www.elsenburg.com/veterinary-services/veterinary-laboratory-services/>

A completed sample submission form must accompany each submission. Please complete the form in full including all information with each submission. **Samples will not be released for testing until full client (owner and sender) information is provided. For controlled / notifiable disease testing, please supply the relevant State Veterinarian details.** To avoid unnecessary delays in testing, please ensure that submission forms are completed in full. Please do not edit the format of the form as supplied, complete only the relevant information on the form in the spaces provided. The published turnaround time will only commence once the samples have been released for testing.

Please make use of the relevant sample submission forms when submitting samples for testing:

- Sample submission form (P-SR-F-001)
- Sample submission form - Bovine Brucellosis for milk ring test (MRT) (P-SR-F-002)
- Sample submission form - Bovine Brucellosis testing on serum (RBT; CFT): a Department of Agriculture, Land Reform and Rural Development: Department of Animal Health (DALRRD: DAH) approved Brucellosis testing form (BR5), should accompany Bovine Brucellosis samples (forms are available from your local State Veterinarian or on our website).
- Sample submission form – African Buffalo *Brucella abortus* RBT & CFT (P-SR-F-013)
- Sample submission form - *Brucella melitensis* and *Brucella ovis* Caprine & Ovine CFT (P-SR-F-006)
- Sample submission form - Dourine CFT (P-SR-F-003)
- Sample submission form – Veterinary public health (VPH) / Food safety testing (P-SR-F-008)
- Sample submission form – Chemical residue testing (P-SR-F-012)

Accurate diagnosis and testing depends on the correct submission of quality specimens; please refer to the tabulated testing services for sample submission details. Where applicable, please include animal history (purpose of testing, age, vaccinations, medication, date of sampling, number of animal deaths, etc.).

Sample packaging should comply with specimen transport regulations:

Refer to WOAHA guidelines for more information on the triple-layer packaging system (https://www.woah.org/fileadmin/Home/eng/Health_standards/tahm/1.01.03_TRANSPORT.pdf).

Samples should be packaged in a secure, leak proof container. Ensure that samples are kept at the correct temperature during transportation to maintain sample integrity for testing – refer to the transport requirements for each test method. A courier service should be used where possible or samples may be hand delivered.

Address

Courier or hand delivery:

Western Cape Provincial Veterinary Laboratory
Helshoogte Road
Stellenbosch
7600

Tel: 021 808 5710
GPS Coordinates: 33.91992 S, 18.86915 E

Fees

All fees listed are VAT exempt.

Sample handling fee: Note that if organs or tissues (not full intact carcasses) are submitted for laboratory testing, and sample collection is required to submit a suitable sample for laboratory testing, a sample handling fee of **R130.00 per submission** will apply. Samples must be submitted fresh, within 24 hours of animal death as advanced decomposition will negatively affect the quality of the test result.

If samples are referred or sub-contracted for testing at another laboratory, an additional fee may be applicable. In these instances, the client who submitted the sample will be requested to pay the additional fee directly to the referral or sub-contracted laboratory. Please contact the laboratory for further information.

Food safety, zoonotic, controlled and notifiable disease testing and reporting

Please note that it is compulsory for all laboratories performing tests for food safety, zoonotic, controlled and notifiable disease conditions to report incidence of positive or suspected incidence to the DALRRD: DAH, as per amendments to Regulation 12, Section 31, of the Animal Diseases Act, Act 35, 1984 and the Meat Safety Act, Act No. 40 of 2000. In some instances, both positive and negative test results may be reported at the request of state veterinarians(s) and / or DALRRD: DAH.

Client information and results will be disclosed to the provincial state veterinarian, the submitter (private veterinarian or laboratory), the National Director (Animal Health) and / or the National Executive Officer (Veterinary Public Health)

In addition, client information and results will be disclosed to external auditors subject to the requirements of external auditing or assessment bodies performing auditing activities. Client information is also disclosed to sub-contractor or referral testing laboratories and institutions that perform additional testing.

SANAS accreditation, DALRRD: DAH approval and DALRRD: VPH registration

#: SANAS accredited and DALRRD: DAH approved test methods for the specimen type (matrix)

^: SANAS accredited test methods for the specimen type (matrix).

SANAS accreditation number: V0029.

DALRRD: DAH approval number: 0029.

DALRRD: VPH registration number: 01

Please refer to the latest schedule of accreditation on the SANAS website for accredited test methods and the applicable sample types (<https://www.sanas.co.za/Pages/index.aspx>) and DALRRD: DAH approval certificate on the DALRRD: DAH website (<https://old.dalrrd.gov.za/Branches/Agricultural-Production-Health-Food-Safety/Animal-Health/Epidemiology/Approved-Laboratories>).

TESTING SERVICES PER LABORATORY SECTION

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BACTERIOLOGY

Dr Kokie Harris, Tel: 0218087538, email: Kokie.Harris@westerncape.gov.za

Test method	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
General Culture and identification (aero-tolerant anaerobic or aerobic)	Organs Swabs Aspirates, Faeces, Blood, Skin, Tissue	Culture & Biochemical identification	R486.00/ case (max 3 samples)	Fresh material only Swabs preferably in transport medium	Decomposed samples Organs in formalin	24 - 48 hrs	Transported at $\pm 4^{\circ}\text{C}$ - 8°C	10 work days
Bovine Mastitis: Bacterial Culture and ID	Raw milk - 10ml	Culture and ID	R360/ case (1-4 samples)	Raw milk - 10ml	< 10 ml Blood in sample Colostrum Sour Pasteurised Homogenised	24 hrs	Transport at $\pm 4^{\circ}\text{C}$ – 8°C	7 work days
# Salmonella monitoring, culture and identification	# Faeces, # Organs - 1 gram / swab Litter - 25 grams, Gauze swabs Dust, drag or boot swabs / covers Eggs (whole) Egg/hatchery debris	Selective culture Biochemical identification	R486.00/ case (max 3 samples)	Fresh samples Swabs preferably in transport medium	Drag swabs taken incorrectly Decomposed samples Organs in formalin	24 - 48 hrs	Transported at $\pm 4^{\circ}\text{C}$ - 8°C or at ambient temperature	10 work days
# Brucella spp. Isolation and presumptive identification	# Foetal membranes, aborted foetuses & full-term calves (including organs, abomasal (stomach) contents); # Animal carcass tissues/ organs, lymph nodes. # Milk - 20ml Vaginal swabs Arthritis / hygroma fluids Blood 5ml	Culture & Biochemical identification	R420.00/ case (max 3 samples)	Fresh material only	Sour milk Decomposed samples Organs in formalin	24 - 48 hrs	Transported at $\pm 4^{\circ}\text{C}$ - 8°C in compliance with the United Nations regulations (clearly label contents as suspect Brucella)	20 work days <i>B. canis</i> : 25 work days
Antibiogram	Bacterial isolate	Antibiogram	R143.00/ test	24 hr Bacterial culture on non-selective medium	> 24 hrs bacterial culture Mixed culture	-	Transported at $\pm 4^{\circ}\text{C}$ - 8°C	5 work days



BIOCHEMISTRY

Dr Tasneem Anthony: Tel: 0218087537, email: Tasneem.Anthony@westerncape.gov.za

Test/s required	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
Serum: Gamma-Globulin	Serum (5-10ml)	Spectrometry (turbidity)	R65.00/sample	Serum (Red / Yellow top), preferably separated from clot	Plasma, Whole blood, Haemolysed serum	24 hrs	4°C-8°C	10 work days
Haematocrit (Packed cell volume)	Whole Blood (5-10ml)	Haematocrit centrifuge	R9.00/sample	Whole blood (preferably EDTA – lavender / purple top)	Clotted blood sample, serum	24 hrs	4°C-8°C	10 work days
pH	Rumen (≥20 ml), water (50ml)	pH	R18.00/sample	Fresh sample	Samples that are older than 24 hrs from time of sampling	24 hrs	4°C-8°C	3 work days
Nitrate/Nitrite	5ml eye fluid / serum	Spot test, qualitative	R43.00/sample	Samples in separate sterile containers. Serum (Red / Yellow top), preferably separated from clot	Samples older than 24 hrs	24 hrs	4°C-8°C	3 work days

CHEMICAL RESIDUE TESTING (CRT)

Dr Flip Alberts: Tel: 0218087526, email: Flip.Alberts@westerncape.gov.za

Test method	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
Group B substances, includes all of the following: Antimicrobials ^ (B1a), Insecticides, fungicides, anthelmintics and other antiparasitic agents (B1b), Sedatives (B1c), NSAIDs, corticosteroids and glucocorticoids (B1d), Authorised coccidiostats and histomonostats (B2)	At least 100 g of the appropriate tissue or target organ.	LC-MS	R4384.00/sample	Fresh sample	Decomposed sample	48 hrs	Samples must be kept frozen and packaged in Styrofoam containers with ice packs when dispatched.	20 work days



TOXICOLOGY

Dr Alida Avenant, Tel: 021 808 7533 email: Alida.Avenant@westerncape.gov.za (Microscopic examination)
Dr Flip Alberts, Tel: 021 808 7521 email: Flip.Alberts@westerncape.gov.za (LCMS determination)

Test/s required	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
Ryegrass toxicity	Grass with ripe seed	Microscopic examination & Liquid Chromatography-mass Spectrometry (LCMS)	R293/sample	Sample must be representative of feed batch* ** Ideally > 500 g	Grass with immature seed	Not applicable	Ambient temperature	7 work days

* Representative sample: grass with ripe seed collected from multiple areas throughout the camp, or feed/hay batch of interest. The integrity of the results are 100% dependent on the representativeness of the sample received.
** Sample size is dependent on the size of the camp, or feed/hay batch.

FOOD SAFETY (VETERINARY PUBLIC HEALTH)

Dr Tasneem Anthony; Tel: 0218087537, email: Tasneem.Anthony@westerncape.gov.za

Test method	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
^ Aerobic plate count	^ Meat 100g	Aerobic culture and count (SANS 4833-1)	R135.00/sample	Fresh specimen clearly labelled	Decomposed sample Cold chain not maintained Packaging compromised (exposure to environmental contamination)	24-48 hrs, or as agreed by the parties involved.	Transported at $\pm 4^{\circ}\text{C}$ - 8°C	7 work days
	^ Dry Feed / Foodstuff 50g			Dry feed, clearly labelled	Moist, damp specimen Packaging compromised (exposure to environmental contamination)		Transported at ambient temperature	7 work days
	Rodac / contact / exposure Plate [available from lab]			Plate clearly labelled	Packaging compromised (exposure to environmental contamination)		Transported at $\pm 4^{\circ}\text{C}$ - 8°C	7 work days
	Environmental swabs			Swabs in transport medium, clearly labelled	Dry swab		Transported at $\pm 4^{\circ}\text{C}$ - 8°C	7 work days
^ E. coli count	^ Meat 100g	Aerobic culture and count (SANS / ISO 16649-2)	R163.00/sample	Fresh specimen clearly labelled	Decomposed sample Cold chain not maintained Packaging compromised (exposure to environmental contamination)	24-48 hrs, or as agreed by the parties involved.	Transported at $\pm 4^{\circ}\text{C}$ - 8°C	7 work days
	^ Dry Feed / Foodstuff 50g			Dry feed, clearly labelled	Moist, damp specimen Packaging compromised (exposure to environmental contamination)		Transported at ambient temperature	7 work days



FOOD SAFETY (VETERINARY PUBLIC HEALTH)

Dr Tasneem Anthony; Tel: 0218087537, email: Tasneem.Anthony@westerncape.gov.za

Test method	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
^ <i>Salmonella</i> spp.	^ Meat 100g	Aerobic culture and isolation, detection (ISO 6579-1)	R236.00/ sample	Fresh specimen clearly labelled	Decomposed sample Cold chain not maintained Packaging compromised (exposure to environmental contamination)	24-48 hrs, or as agreed by the parties involved.	Transported at $\pm 4^{\circ}\text{C}$ -8 $^{\circ}\text{C}$	10 work days Salmonella typing referral on request only
	^ Dry Feed / Foodstuff 50g			Dry feed, clearly labelled	Moist, damp specimen Packaging compromised (exposure to environmental contamination)		Transported at ambient temperature	
	Environmental swabs			Swabs in transport medium, clearly labelled	Dry swab		Transported at $\pm 4^{\circ}\text{C}$ -8 $^{\circ}\text{C}$	
^ Enterobacteriaceae	^ Meat 100g	Aerobic culture and count (SANS / ISO 21528-2)	R169.00/ sample	Fresh specimen clearly labelled	Decomposed sample Cold chain not maintained Packaging compromised (exposure to environmental contamination)	24-48 hrs, or as agreed by the parties involved.	Transported at $\pm 4^{\circ}\text{C}$ -8 $^{\circ}\text{C}$	7 work days
	^ Dry Feed / Foodstuff 50g			Dry feed, clearly labelled	Wet, damp specimen Packaging compromised (exposure to environmental contamination)		Transported at ambient temperature	7 work days
	Rodac / contact / exposure Plate [available from lab]	Aerobic culture and count (SANS / ISO 21528-2)	R161.00/ sample	Plate clearly labelled	Sample which has not been packaged correctly Packaging compromised (exposure to environmental contamination)	24-48 hrs, or as agreed by the parties involved.	Transported at $\pm 4^{\circ}\text{C}$ -8 $^{\circ}\text{C}$	7 work days
	Environmental swabs			Swabs in transport medium, clearly labelled	Dry swab		Transported at $\pm 4^{\circ}\text{C}$ -8 $^{\circ}\text{C}$	7 work days
^ <i>Listeria monocytogenes</i> screening and confirmation	^ Meat 100g	Rapid Test (VIDAS)	R359.00 screening test / sample	Fresh specimen clearly labelled	Cold chain not maintained Packaging compromised (contamination)	24-48 hrs, or as agreed by the parties involved.	Transported at $\pm 4^{\circ}\text{C}$ -8 $^{\circ}\text{C}$	5 work days
	^ Dry Feed / Foodstuff 50g		R199.00 confirmation test / sample	Dry feed, clearly labelled	Moist, damp specimen Packaging compromised (exposure to environmental contamination)		Transported at ambient temperature	



FOOD SAFETY (VETERINARY PUBLIC HEALTH)

Dr Tasneem Anthony; Tel: 0218087537, email: Tasneem.Anthony@westerncape.gov.za

Test method	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
	Environmental swabs			Swabs in transport medium, clearly labelled	Dry swab		Transported at $\pm 4^{\circ}\text{C}$ - 8°C	
^ Aerobic plate count (Water)	^ Water 1000ml	Aerobic culture and count (SANS 5221)	R134.00/ sample	Water in a sterile sampling container	Dirty, unsterile sample containers	24-48 hrs, or as agreed by the parties involved.	Transported at $\pm 4^{\circ}\text{C}$ - 8°C or at ambient temperature	7 work days
^ Total Coliforms (Water)	^ Water 1000ml	Aerobic culture and count (SANS 5221)	R151.00/ sample	Water in a sterile sampling container	Dirty, unsterile sample containers	24-48 hrs, or as agreed by the parties involved.	Transported at $\pm 4^{\circ}\text{C}$ - 8°C or at ambient temperature	7 work days
^ Faecal coliforms & E. coli (Water)	^ Water 1000ml	Aerobic culture and count (SANS 5221)	R327.00/ sample	Water in a sterile sampling container	Dirty, unsterile sample containers	24-48 hrs, or as agreed by the parties involved.	Transported at $\pm 4^{\circ}\text{C}$ - 8°C or at ambient temperature	7 work days
^ Faecal Streptococci (Water)	^ Water 1000ml	Aerobic culture and count (SANS 7899-2)	R194.00/ sample	Water in a sterile sampling container	Dirty, unsterile sample containers	24-48 hrs, or as agreed by the parties involved.	Transported at $\pm 4^{\circ}\text{C}$ - 8°C or at ambient temperature	7 work days

HISTOPATHOLOGY

Dr Tasneem Anthony; Tel: 0218087537, email: Tasneem.Anthony@westerncape.gov.za

Test/s required	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
Histopathology	Organs, Bone	Processing, staining and microscopic examination of stained wax embedded sections (H&E)	R549.00 / case (1-5 cassettes)	Fresh sample Correct size	Decomposed or dried out samples Incorrect size	1 week	Specimens must be placed in a leak proof container. Lids must be secured and checked to ensure no leakage	10 work days (biopsy samples)
	Organs: Maximum 10mm thickness.	Processing and staining only (H&E)	R398.00 / case (1-5 cassettes)	A 10% neutral buffered formalin solution	Incorrect formalin solution			20 work days (pooled organ samples collected post mortem)
	Whole brain to be fixed in formalin for longer period. Ratio of sample to formalin must be 1:10	Additional special stain(s): • Congo red • Chlamydia • Giemsa • Gram • Jone's methenamine silver • Grocott methenamine silver • Masson trichrome	R167.00 / per case (1-4 slides)	Sample must be totally covered in formalin Minimal organic soiling of formalin				



HISTOPATHOLOGY

Dr Tasneem Anthony: Tel: 0218087537, email: Tasneem.Anthony@westerncape.gov.za

Test/s required	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
		<ul style="list-style-type: none"> Modified Ziehl-Neelsen Periodic acid-Schiff Perls' Rhodanine Schmorl's Warthin-Starry Ziehl-Neelsen Toluidine Blue 						
Histopathology	Pre-stained slides	Examination; Second opinion/research	R209 / case (1-5 slides)	Clearly labelled stained slides Full history and signalment	Damaged slides Poorly stained slides	1 month	Slides must be placed in a suitable slide carrier	20 work days Possibly longer for research cases (To be discussed on a case-by-case basis)

PATHOLOGY (POSTMORTEM / NECROPSY)

Cattle, horses, pigs, reptiles, wildlife, exotics, marine mammals, avian and ostriches etc.: Dr Alida Avenant, Tel: 021 808 7533 email: Alida.Avenant@westerncape.gov.za or Dr Tasneem Anthony, Tel: 0218087537, email: Tasneem.Anthony@westerncape.gov.za
Fish & Shellfish: Dr Kokie Harris, Tel: 0218087538, email: Kokie.Harris@westerncape.gov.za

* If samples are referred or sub-contracted for testing at another laboratory, an additional fee may be applicable. In such cases the client who submitted the sample will be requested to pay the additional fee directly to the referral or sub-contracted laboratory. Please contact the laboratory for further information.

Test/s required	Sample Type & Size	Assay	* Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirement	Turn-around time
Pathology investigation	Whole animal carcass	Necropsy and histological examination, further laboratory testing	<p>Adult large animal (Cattle, horses, pigs, reptiles, wildlife, exotics, marine mammals, etc.): R1235.00 / animal</p> <p>Small and immature animals (small stock, dogs, cats, immature animal or wildlife, reptiles, exotics marine mammal etc.): R782 / animal</p> <p>Poultry/ Birds: R618.00 / 1-5 birds</p> <p>Ostrich, Adult: R1235.00 / ostrich</p>	Whole animal carcass	Advanced decomposition	24 hrs	None	<p>Prelim findings: within 4 work days (Telephonic, email).</p> <p>Final Report: within 20 work days;</p> <p>Final report findings may be delayed by laboratory test results. Please contact the laboratory for an update.</p>



PATHOLOGY (POSTMORTEM / NECROPSY)

Cattle, horses, pigs, reptiles, wildlife, exotics, marine mammals, avian and ostriches etc.: Dr Alida Avenant, Tel: 021 808 7533 email: Alida.Avenant@westerncape.gov.za or Dr Tasneem Anthony, Tel: 0218087537, email: Tasneem.Anthony@westerncape.gov.za
Fish & Shellfish: Dr Kokie Harris, Tel: 0218087538, email: Kokie.Harris@westerncape.gov.za

* If samples are referred or sub-contracted for testing at another laboratory, an additional fee may be applicable. In such cases the client who submitted the sample will be requested to pay the additional fee directly to the referral or sub-contracted laboratory. Please contact the laboratory for further information.

Test/s required	Sample Type & Size	Assay	* Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirement	Turn-around time
			<p>Ostrich, immature: R618 /1-5 ostriches</p> <p>Foetus: R906.00 / foetus (includes Brucellosis investigation ONLY, additional referral testing for client account)</p> <p>Fish: R871 / 1-10 per case</p> <p>Fish / Shellfish: (mollusc, bi-valves), call out R2065/case</p> <p>After Hours / Insurance case fee – all species: R3734.00 / animal</p> <p>Where elective euthanasia (Euthapent) is required, R26.00 / ml of part thereof</p> <p>* Referral / subcontractor testing may be subject to additional laboratory test fees.</p>					
Rabies	Whole animal carcass or head	Collection of Rabies samples for Referral testing	No fee charged for collection / sampling.	Clearly marked as High risk Whole animal carcass or head	Advanced decomposition	24 hrs	Clearly marked as High risk	On request Samples are submitted for referral testing (contact laboratory for details)



PCR (MOLECULAR)

Dr Alida Avenant, Tel; 021 808 7533 email: Alida.Avenant@westerncape.gov.za

Test method	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab:	Transport Requirements	Maximum turn-around time
# Avian Influenza Virus A (AIV) (PCR positive samples to be tested further to detect AIV subtype§)	# Swabs (PCR rayon / cotton tipped, plastic shaft): cloacal, tracheal, other tissue) # Tissue (cloacal, tracheal, other tissue)	Screening Matrix gene rRT-PCR	R460.00/ test	Swabs (PCR rayon / cotton tipped, plastic shaft) of trachea, cloaca, tissue, preferably in virus transport fluid. Tissue (trachea, organs), preferably in virus transport fluid.	Whole blood	≤72 hrs after sampling	Transported at ± 4°C-8°C	7 work days
		§Additional H5 / H7 / N-type subtyping rRT-PCR	R609.00/ test §		Serum Unsuitable swab types (e.g. wooden shaft, bacterial swab) Samples submitted ≥ 72hrs after sampling			
# African Horse Sickness Virus (AHSV)	# Blood (. 2ml), # tissue	Screening VP7 gene rRT-PCR	R515.00/ test	Blood, uncoagulated EDTA only, Tissue (lung, spleen)	Blood, uncoagulated in Heparin	As soon as possible, to ensure sample integrity to testing	Transported at ± 4°C-8°C	7 work days
					Blood, coagulated or decomposed Serum			2 work days (AHSV testing for animal movement purposes – only samples pre-booked with the laboratory)*

*NOTE: testing done on Tuesdays, Wednesdays and Thursdays (samples must be received at the laboratory before 10H00).

PARASITOLOGY

Dr Alida Avenant, Tel; 021 808 7533 email: Alida.Avenant@westerncape.gov.za

Test/s required	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
Faecal egg & oocyst count (Round worm, Tapeworm, coccidia)	Faeces 10 grams	Worm egg count (McMaster faecal flotation test)	R46.00/ sample	Fresh, collected directly from rectum; kept at 4 - 8°C	Faeces not fresh collected off the ground; not kept cool; Frozen	24 - 48 hrs	Kept at ± 4°C - 8°C	7 work days
	Faeces 10 grams (pooled sample)		R61.00/ pool					
Faecal flotation test (qualitative)	Faeces 10 grams	Faecal flotation test (qualitative)	R130.00/ sample	Fresh, collected directly from rectum; kept at 4 - 8°C	Faeces not fresh collected off the ground; not kept cool; Frozen	24 - 48 hrs	Kept at ± 4°C - 8°C	7 work days
Fluke egg detection (conical & liver)	Faeces 10 grams	Worm egg examination (sedimentation)	R46.00/ sample	Fresh, collected directly from rectum; kept at 4 - 8°C	Faeces not fresh collected off the ground; not kept cool; Frozen	24 - 48 hrs	Kept at ± 4°C - 8°C	7 work days
<i>Cryptosporidium</i> oocysts detection in faecal and intestinal samples	Faeces 1 gram	Staining	R168/ sample	Fresh diarrhoeic faeces, collected directly from	Faeces not fresh collected off the ground; not kept cool;	24 - 48 hrs	Kept at ± 4°C - 8°C	7 work days



PARASITOLOGY

Dr Alida Avenant, Tel: 021 808 7533 email: Alida.Avenant@westerncape.gov.za

				rectum; kept at 4 - 8°C	Frozen			
Wool examination for Sheep scab (<i>Psorotes ovis</i>)	Wool, skin scraping	Microscopic examination	-	Wool, skin scraping taken from the edge of the suspected lesion.	Samples older than 3 days Refrigerated / frozen samples	3 days	Kept at ambient temperature	3 work days

REPRODUCTION

Dr Kokie Harris, Tel: 0218087538, email: Kokie.Harris@westerncape.gov.za

Test/s required	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
Sperm Morphology	Fresh semen, Frozen processed semen	Microscopic evaluation	R72.00/ sample	Fresh aseptically collected semen - kept at 35°C-38°C. Frozen semen - stored in liquid nitrogen	Contaminated semen, Semen not kept at required temperature, Blood in semen	12 hrs (Fresh) 24 Hrs (Frozen)	Fresh semen – keep at 35-38°C. Frozen semen – keep in liquid nitrogen	7 work days
Sperm morphology and motility	Fresh semen, Frozen processed semen	Microscopic evaluation	R83.00/ sample	Fresh aseptically collected semen - kept at 35°C-38°C. Frozen semen - stored in liquid nitrogen	Contaminated semen, Semen not kept at required temperature, Blood in semen	12 hrs (Fresh) 24 Hrs (Frozen)	Fresh semen – keep at 35-38°C. Frozen semen – keep in liquid nitrogen	7 work days
Cytology (MZN stain)	Prepared smear on glass slide (semen)	Microscopic examination of MZN Stained smears	R18/ sample	Correctly prepared smears	Incorrectly prepared smears, Smears too thick	48 hrs	Transported at ambient temperature Sufficient packing material to prevent slides from breaking	5 work days
Sperm morphology & cytology (MZN stain)	Refer to details above		R101/ sample	Refer to details above				7 work days
Sperm morphology, motility, & cytology (MZN stain)	Refer to details above		R101/ sample	Refer to details above				7 work days

SEROLOGY

Dr Kokie Harris, Tel: 0218087538, email: Kokie.Harris@westerncape.gov.za

Test method	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
# <i>Brucella abortus</i> (Bovine)	# Whole clotted blood 6-10ml / Serum - 3 ml	Rose Bengal Test (RBT)	R16.00/ test	Clotted Sample, Clear serum	Unclothed, Haemolysed serum	5 days	Transported at ± 4°C - 8°C, preferably couriered and not posted	10 work days
		CFT*	R31.00/ test					10 work days
# <i>Brucella abortus</i> (Bovine)	# Raw full cream milk ≥ 5ml	MRT	R7.00/ test	Raw full cream milk	Sour milk , Milk with	3 days after collection	Transported at ± 4°C - 8°C, preferably	5 work days



SEROLOGY

Dr Kokie Harris, Tel: 0218087538, email: Kokie.Harris@westerncape.gov.za

Test method	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
				≥ 5ml or 2 ml preserved with formalin	insufficient cream Colostrum Pasteurised milk Homogenised milk Bloody milk	from the tank	couriered and not posted	
# <i>Brucella abortus</i> (Buffalo)	# Whole clotted blood 6-10ml / Serum - 3 ml	Rose Bengal Test (RBT)	R61.00/ test	Clotted Sample, Clear serum	Unclothed, Haemolysed serum	5 days	Transported at ± 4°C - 8°C, preferably couriered and not posted	10 work days
		CFT*	R97.00/ test					
<i>Brucella melitensis</i> (Caprine; Ovine)	Whole clotted blood 6-10ml / Serum - 3 ml	Rose Bengal Test (RBT)	R16.00/ test	Clotted Sample, Clear serum	Unclothed, Haemolysed	5 days	Transported at ± 4°C - 8°C	10 work days
		CFT*	R31.00/ test					10 work days
<i>Brucella ovis</i> (Ovine)	Whole clotted blood 6-10ml / Serum - 3 ml	CFT*	R35.00/ test	Clotted Sample, Clear serum	Unclothed, Haemolysed	5 days	Transported at ± 4°C - 8°C	10 work days
# Dourine (Equine; Mule; Donkey)	# Whole clotted blood 6-10ml / # Serum - 3 ml	CFT*	R203.00/ test	Clotted Sample, Clear serum	Unclothed, Haemolysed	5 days	Transported at ± 4°C - 8°C	10 work days
# Newcastle Disease Virus (NDV) (Avian, Ostrich)	# Whole clotted blood 6-10ml / # Serum - 3 ml	HI	R16.00/ antigen	Clotted Sample Clear Serum	Unclothed, Haemolysed	5 days	Transported at ± 4°C - 8°C	10 work days
# Influenza A virus (AIV) (Avian, Ostrich)	# Whole clotted blood 6-10ml / # Serum - 3 ml	HI	R34.00/ antigen	Clotted Sample Clear Serum	Unclothed, Haemolysed	5 days	Transported at ± 4°C - 8°C	10 work days
# Influenza A virus (AIV) antibody (Avian, Ostrich)	# Whole clotted blood 6-10ml / # Serum - 3 ml	ELISA	R47.00/ test	Clotted Sample Clear Serum	Unclothed, Haemolysed	5 days	Transported at ± 4°C - 8°C	7 work days

* *B abortus*, *B ovis* and *B melitensis* CFT is ONLY performed on a Thursday. Samples must reach the laboratory by 14h00 on a Wednesday to be included in the Thursday test batch.

* Dourine CFT is ONLY performed on a Tuesday. Samples must reach the laboratory by 14h00 on a Friday to be included in the next Tuesday test batch.

* The last day of the week for submitting milk samples will be on a Thursday, no milk will be tested on a Friday.

VIROLOGY

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Test method	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Turn-around time
Virus isolation for: # Avian influenza, # Newcastle disease, # Blue tongue, Infectious laryngotracheitis, Infectious Bronchitis, Pox, Avian pneumovirus, Chlamydia, Other (please contact laboratory)	# Organs	Isolation in eggs	R785.00/ virus isolated	Fresh organs only	Decomposed organs Organs in formalin	24 hrs (may be longer, depending on virus type)	Transported at ± 4°C-8°C	2-7 weeks
	# Swabs in fluid	Isolation in eggs		Single/pooled swabs in virus transport medium	Swabs in unsuitable fluid	24 hrs (may be longer, depending on virus type)	Transported at ± 4°C-8°C	2-7 weeks