



SPECIMEN SUBMISSION GUIDELINE

April 2022 – March 2023

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

Submission forms are available from the laboratory Tel: 021 808 7510 and on the website: <https://www.elsenburg.com/veterinary-services/veterinary-laboratory-services/>

A completed sample submission form (P-SR-F-001) for disease testing or for veterinary public health / food safety testing (P-SR-F-008) must accompany each submission. Please complete the form in detail including all information with each submission. **Samples will not be released for testing until full client (owner and sender) information is provided.** To avoid unnecessary delays in testing, please ensure that submission forms are completed in full. The published turnaround time will only commence once the samples have been released for testing.

Please make use of specific forms for disease testing for:

- Bovine Brucellosis for milk ring test (MRT) (P-SR-F-002)
- 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).
- Caprine & Ovine Brucellosis CFT testing (P-SR-F-006)

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 OIE guidelines for more information on the triple-layer packaging system (http://www.oie.int/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. 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.

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 Director (Animal Health) and / or the National Executive Officer of DALRRD: DAH.

In addition, client information and results will also 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 and DALRRD: DAH approval

SANAS accredited and DALRRD: DAH approved test methods and / or specimen types are indicated by means of # where applicable.

SANAS accreditation number: V0029. DALRRD: DAH (previously DAFF) approval number: 0029.

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://www.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 Samantha Meyer, Tel: 0218087527 email: SamanthaM@elsenburg.com / Samantha.Meyer2@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	R426.00/ case (max 3 samples)	Fresh material only Swabs preferably in transport medium	Decomposed samples Organs in formalin	24 - 48 hrs	Transported at ± 4°C-8°C	10 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	R426.00/ 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 ± 4°C-8°C or at ambient temperature	10 work days
# <i>Brucella</i> spp. Isolation and presumptive identification	# Foetal membranes, aborted fetuses & full-term calves (including organs, abomasal (stomach) contents); # Animal carcass tissues/ organs, lymph nodes. Vaginal swabs Arthritis / hygroma fluids Milk - 20ml Blood 5ml	Culture & Biochemical identification	R368.00/ case (max 3 samples)	Fresh material only	Sour milk Decomposed samples Organs in formalin	24 -48 hrs	Transported at ± 4°C-8°C in compliance with the United Nations regulations (clearly label contents as suspect <i>Brucella</i>)	20 work days <i>B. canis</i> : 25 work days
Antibiogram	Bacterial isolate	Antibiogram	R125.00/ test	24 hr Bacterial culture on non-selective medium	> 24 hours bacterial culture Mixed culture	-	Transported at ± 4°C-8°C	5 work days

BIOCHEMISTRY

Dr Tasneem Anthony: Tel: 0218087537, email: TasneemA@Elsenburg.com / 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)	R57.00/ sample	Serum (Red / Yellow top), preferably separated from clot	Plasma, Whole blood, Haemolysed serum	within 24 hours	4°C-8°C	10 work days



BIOCHEMISTRY

Dr Tasneem Anthony: Tel: 0218087537, email: TasneemA@Elsenburg.com / 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
Haematocrit (Packed cell volume)	Whole Blood (5-10ml)	Haematocrit centrifuge	R8.00/ sample	Whole blood (preferably EDTA – lavender / purple top)	Clotted blood sample, serum	within 24 hours	4°C-8°C	10 work days
pH	Rumen (≥20 ml), water (50ml)	pH	R16.00/ sample	Fresh sample	Samples that are older than 24 hours from time of sampling	Within 24 hours	4°C-8°C	3 work days

FOOD SAFETY (VETERINARY PUBLIC HEALTH)

Dr Samantha Meyer, Tel: 0218087527 email: SamanthaM@elsenburg.com / Samantha.Meyer2@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)	R118.00/ 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 ± 4°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 ± 4°C-8°C	7 work days
	Environmental swabs			Swabs in transport medium, clearly labelled	Dry swab		Transported at ± 4°C-8°C	7 work days
E. coli count	# Meat 100g	Aerobic culture and count (SANS / ISO 16649-2)	R143.00/ 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 ± 4°C-8°C	7 work days



FOOD SAFETY (VETERINARY PUBLIC HEALTH)								
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Test method	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
	# Dry Feed / Foodstuff 50g			Dry feed, clearly labelled	Moist, damp specimen Packaging compromised (exposure to environmental contamination)		Transported at ambient temperature	7 work days
Salmonella spp.	# Meat 100g	Aerobic culture and isolation, detection (ISO 6579-1)	R207.00/ 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 ± 4°C-8°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 ± 4°C-8°C	
Enterobacteriaceae	# Meat 100g	Aerobic culture and count (SANS / ISO 21528-2)	R148.00/ 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 ± 4°C-8°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)	R148.00/ 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 ± 4°C-8°C	7 work days
	Environmental swabs			Swabs in transport medium, clearly labelled	Dry swab		Transported at ± 4°C-8°C	7 work days



FOOD SAFETY (VETERINARY PUBLIC HEALTH)

Dr Samantha Meyer, Tel: 0218087527 email: SamanthaM@elsenburg.com / Samantha.Meyer2@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
Salmonella spp. screening and confirmation	# Meat 100g	Rapid Test (VIDAS)	R451.00 screening test / sample R262.00 confirmation test / sample	Fresh specimen clearly labelled	Decomposed sample Cold chain not maintained Packaging compromised (contamination) Moist, damp specimen Packaging compromised (exposure to environmental contamination)	24-48 Hrs, or as agreed by the parties involved.	Transported at ± 4°C-8°C	5 work days Salmonella typing referral on request only
	Dry feed, clearly labelled							
	Environmental swabs			Swabs in transport medium, clearly labelled	Dry swab		Transported at ± 4°C-8°C	
Listeria monocytogenes screening and confirmation	# Meat 100g	Rapid Test (VIDAS)	R314.00 screening test / sample R174.00 confirmation test / sample	Fresh specimen clearly labelled	Cold chain not maintained Packaging compromised (contamination) Moist, damp specimen Packaging compromised (exposure to environmental contamination)	24-48 Hrs, or as agreed by the parties involved.	Transported at ± 4°C-8°C	5 work days
	Dry feed, clearly labelled							
	Environmental swabs			Swabs in transport medium, clearly labelled	Dry swab		Transported at ± 4°C-8°C	
Aerobic plate count (Water)		Aerobic culture and count (SANS 5221)	R118.00/sample	Water in a sterile sampling container	Dirty, unsterile sample containers	24-48 Hrs, or as agreed by the parties involved.	Transported at ± 4°C-8°C or at ambient temperature	7 work days
Total Coliforms (Water)	# Water 1000ml	Aerobic culture and count (SANS 5221)	R132.00/sample	Water in a sterile sampling container	Dirty, unsterile sample containers	24-48 Hrs, or as agreed by the parties involved.	Transported at ± 4°C-8°C or at ambient temperature	7 work days
Faecal coliforms & E. coli (Water)	# Water 1000ml	Aerobic culture and count (SANS 5221)	R287.00/sample	Water in a sterile sampling container	Dirty, unsterile sample containers	24-48 Hrs, or as agreed by the parties involved.	Transported at ± 4°C-8°C or at ambient temperature	7 work days



FOOD SAFETY (VETERINARY PUBLIC HEALTH)								
Dr Samantha Meyer, Tel: 0218087527 email: SamanthaM@elsenburg.com / Samantha.Meyer2@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
Faecal Streptococci (Water)	# Water 1000ml	Aerobic culture and count (SANS 7899-2)	R170.00/ sample	Water in a sterile sampling container	Dirty, unsterile sample containers	24-48 Hrs, or as agreed by the parties involved.	Transported at ± 4°C-8°C or at ambient temperature	7 work days
E. coli and Total coliforms (Water)	Water 1000ml	Colilert™ test	R278.00/ sample	Water in a sterile sampling container	Dirty, unsterile sample containers	24-48 Hrs, or as agreed by the parties involved.	Transported at ± 4°C-8°C or at ambient temperature	7 work days
Faecal coliforms (Water)	Water 1000ml	Colilert™ test	R141.00/ sample	Water in a sterile sampling container	Dirty, unsterile sample containers	24-48 Hrs, or as agreed by the parties involved.	Transported at ± 4°C-8°C or at ambient temperature	7 work days
Faecal Streptococci (Water)	Water 1000ml	Enterolert™ test	R171.00/ sample	Water in a sterile sampling container	Dirty, unsterile sample containers	24-48 Hrs, or as agreed by the parties involved.	Transported at ± 4°C-8°C or at ambient temperature	7 work days

HISTOPATHOLOGY								
Dr Tasneem Anthony: Tel: 0218087537, email: TasneemA@elsenburg.com / 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)	R481.00 / case	Fresh sample	Decomposed or dried out samples Incorrect size	1 week	Must be in a watertight container	20 work days
	Organs: Maximum 10mm thickness.		(1-5 cassettes)	Correct size				
	Whole brain to be fixed in formalin for longer period.	Processing and staining only (H&E)	R349.00 / case	A 10% neutral buffered formalin solution				
	Ratio of sample to formalin must be 1:10	Additional special stain(s): #Congo red #Giemsa #Gram #Jone's Methenamine Silver #Masson trichrome #Modified Ziehl-Neelsen	R147.00 / per case	Sample must be totally covered in formalin Minimal organic soiling of formalin				



HISTOPATHOLOGY

Dr Tasneem Anthony: Tel: 0218087537, email: TasneemA@elsenburg.com / 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
		#Periodic acid-Schiff #Perls' #Rhodanine #Schmorl's #Warthin-Starry #Ziehl-Neelsen						

PATHOLOGY (POSTMORTEM / NECROPSY)

Cattle, horses, pigs, reptiles, wildlife, exotics, marine mammals, etc.: Dr Jacob Stroebel, Tel: 0218087533, email: JacobS@elsenburg.com / Jacob.Stroebel@westerncape.gov.za; Dr Tasneem Anthony, Tel: 0218087537, email: TasneemA@elsenburg.com / Tasneem.Anthony@westerncape.gov.za

Avian & Ostriches: Dr Solomon Bhandi, Tel: 0218087543, email: SolomonB@elsenburg.com / Solomon.Bhandi@westerncape.gov.za

Fish & Shellfish: Dr Kokie Harris, Tel: 0218087538, email: KokieH@elsenburg.com / 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	Adult large animal (Cattle, horses, pigs, reptiles, wildlife, exotics, marine mammals, etc.) R1082.00 / animal Small and immature animals (small stock, dogs, cats, immature animal or wildlife, reptiles, exotics marine mammal etc.): R686 / animal Poultry/ Birds: R541.00 / 1-5 birds Ostrich, Adult: R1082.00 / ostrich Ostrich, immature: R541 /1-5 ostriches Foetus R794.00 / foetus (includes Brucellosis investigation ONLY, additional referral testing for client account) Fish R763 / 1-10 per case	Whole animal carcass	Advanced decomposition	24 hrs	None	Prelim findings: within 4 work days (Telephonic, email). Final Report: within 20 work days; Final report findings may be delayed by laboratory test results. Please contact the laboratory for an update.



PATHOLOGY (POSTMORTEM / NECROPSY)

Cattle, horses, pigs, reptiles, wildlife, exotics, marine mammals, etc.: Dr Jacob Stroebel, Tel: 0218087533, email: JacobS@elsenburg.com / Jacob.Stroebel@westerncape.gov.za; Dr Tasneem Anthony, Tel: 0218087537, email: TasneemA@elsenburg.com / Tasneem.Anthony@westerncape.gov.za
Avian & Ostriches: Dr Solomon Bhandi, Tel: 0218087543, email: SolomonB@elsenburg.com / Solomon.Bhandi@westerncape.gov.za
Fish & Shellfish: Dr Kokie Harris, Tel: 0218087538, email: KokieH@elsenburg.com / 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
			Fish / Shell fish (mollusc, bi-valves), call out R1809/case After Hours / Insurance case fee – all species R3272.00 / animal * Referral / subcontractor testing (may be subject to additional laboratory test fees).					
Pathology investigation: Rabies	Whole animal carcass or head	Necropsy and collection of Rabies samples Referral testing	-	Clearly marked as High risk Whole animal carcass	Advanced decomposition	24 hrs	Clearly marked as High risk	On request Samples are submitted for referral testing (contact laboratory for details)

PCR (MOLECULAR)

Dr Solomon Bhandi, Tel: 0218087543, email: SolomonB@elsenburg.com / Solomon.Bhandi@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 determine AIV subtype§)	Trachea, cloaca, fissue swab (PCR rayon / cotton tipped, plastic shaft swab) Tissue (trachea, organs)	Screening Matrix gene rRT-PCR	R361.00/ test	Tracheal, cloacal, tissue swab (PCR rayon / cotton tipped, plastic shaft swab) Tissue (tracheal, organs), preferably in virus transport fluid.	Whole blood, serum, unsuitable swab (e.g. wooden shaft, bacterial swab), Dry swab sampled ≥ 48hrs	≤48 hours of sampling	Transported at ± 4°C-8°C	7 work days
		§Additional H5 / H7 / N-type subtype rRT-PCR	R228.00/ test					5 additional work days following positive result
# African Horse Sickness Virus	Blood, tissue	Screening VP7 gene rRT-PCR	R342.00/ test	Blood, uncoagulated EDTA only, Tissue (lung, spleen)	Blood (Heparin), Serum	≤48 hours of sampling	Transported at ± 4°C-8°C	7 work days AHSV samples for movement purposes: contact the



PCR (MOLECULAR)								
Dr Solomon Bhandi, Tel: 0218087543, email: SolomonB@elsenburg.com / Solomon.Bhandi@westerncape.gov.za								
Test method	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab:	Transport Requirements	Maximum turn-around time
								laboratory to book your sample for testing
# Newcastle Disease Virus (NDV) (PCR positive samples to be tested further to determine the NDV pathotype§)	Trachea, cloaca, tissue swab (PCR rayon / cotton tipped, plastic shaft swab) Tissue (trachea, organs)	Screening Matrix rRT-PCR	R343.00/test	Tracheal, cloacal, tissue swab (PCR rayon / cotton tipped, plastic shaft swab) Tissue (tracheal, organs); preferably in virus transport fluid.	Whole blood, serum, unsuitable swab (e.g. wooden shaft, bacterial swab). Dry swab sampled ≥ 48hrs	≤48 hours of sampling	Transported at ± 4°C-8°C	7 work days
		§NDV detection & Pathotype RT-PCR	R478.00/test					5 additional work days following positive result

PARASITOLOGY								
Dr Jacob Stroebel, Tel: 0218087533, email: JacobsS@elsenburg.com / Jacob.Stroebel@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)	R40.00/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 1days
	Faeces 10 grams (pooled sample)		R53.00/pool					
Faecal flotation test (qualitative)	Faeces 10 grams	Faecal flotation test (qualitative)	R114.00/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)	R40.00/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
Cryptosporidium oocysts staining in faecal samples	Faeces	Staining	R61/sample	Fresh diarrhoeic faeces, 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
Wool examination for Sheep scab (Psorofes ovis)	Wool Skin scraping	Microscopic examination	-	Wool, skin scraping taken from the edge of the	Samples older than 3 days	3 days	Kept at ambient temperature	2 work days



PARASITOLOGY

Dr Jacob Stroebel, Tel: 0218087533, email: JacobsS@elsenburg.com / Jacob.Stroebel@westerncape.gov.za

				suspected lesion.	Refrigerated / frozen samples			
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SEROLOGY

Dr Kokie Harris, Tel: 0218087538, email: KokieH@elsenburg.com / 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)	R14.00/ 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*	R27.00/ test					10 work days
# <i>Brucella abortus</i> (Bovine)	Raw full cream milk ≥ 5ml	MRT	R6.00/ test	Raw full cream milk ≥ 5ml or 2 ml preserved with formalin	Sour milk , Milk with insufficient cream Colostrum Pasteurised milk Homogenised milk Bloody milk	3 days	Transported at ± 4°C - 8°C, preferably couriered and not posted	5 work days
# <i>Brucella abortus</i> (Buffalo)	Whole clotted blood 6-10ml / Serum - 3 ml	Rose Bengal Test (RBT)	R53.00/ 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*	R85.00/ test					10 work days
<i>Brucella melitensis</i> (Caprine; Ovine)	Whole clotted blood 6-10ml / Serum - 3 ml	Rose Bengal Test (RBT)	R14.00/ test	Clotted Sample, Clear serum	Unclothed, Haemolysed	5 days	Transported at ± 4°C - 8°C, preferably couriered and not posted	10 work days
		CFT*	R27.00/ test					10 work days
<i>Brucella ovis</i> (Ovine)	Whole clotted blood 6-10ml / Serum - 3 ml	CFT*	R31.00/ test	Clotted Sample, Clear serum	Unclothed, Haemolysed	5 days	Transported at ± 4°C - 8°C, preferably couriered and not posted	10 work days
# Newcastle Disease Virus (NCD/ NDV) (Avian, Ostrich)	Whole clotted blood 6-10ml / Serum - 3 ml	HI	R14.00/ antigen	Clotted Sample Clear Serum	Unclothed, Haemolysed	3 days	Transported at ± 4°C - 8°C, preferably couriered and not posted	10 work days
# Avian influenza Virus (Avian, Ostrich)	Whole clotted blood 6-10ml / Serum - 3 ml	HI	R30.00/ antigen	Clotted Sample Clear Serum	Unclothed, Haemolysed	3 days	Transported at ± 4°C - 8°C, preferably couriered	10 work days



SEROLOGY								
Dr Kokie Harris, Tel: 0218087538, email: KokieH@elsenburg.com / 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
							and not posted	
# Influenza A virus antibody (Avian, Ostrich)	Whole clotted blood 6-10ml / Serum - 3 ml	ELISA	R42.00/ test	Clotted Sample Clear Serum	Unclothed. Haemolysed	3 days	Transported at ± 4°C - 8°C, preferably couriered and not posted	7 work days
* 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.								

TOXICOLOGY								
Dr Tasneem Anthony, Tel: 0218087537, email: TasneemA@elsenburg.com / Tasneem.Anthony@westerncape.gov.za Dr Jacob Stroebel, Tel: 0218087533, email: JacobsS@elsenburg.com / Jacob.Stroebel@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
Nitrate/Nitrite	5ml eye fluid / serum	Spot test, qualitative	R38.00/ sample	Samples In separate sterile containers. Blood in Heparin.	Samples older than 24 hrs	within 12-24 hours	4°C-8°C	3 work days
Ryegrass toxicity	Grass with ripe seed	Microscopic examination	R79.00/ sample	Sample must be representative of feed batch	Grass with immature seed	Not applicable	Ambient temperature	3 work days

VIROLOGY								
Dr Kokie Harris, Tel: 0218087538, email: KokieH@elsenburg.com / Kokie.Harris@westerncape.gov.za								
Test method	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Turn-around time
Virus isolation # Avian influenza, # Newcastle disease, Bluetongue, Infectious laryngotracheitis, Infectious Bronchitis, Pox, Avian pneumovirus, Chlamydia, Other (please contact laboratory)	Organs	Isolation in eggs	R688.00/ virus isolated	Fresh organs only	Decomposed organs Organs in formalin	24 hours (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 hours (may be longer, depending on virus type)	Transported at ± 4°C-8°C	2-7 weeks