



SPECIMEN SUBMISSION GUIDELINE

April 2021 – March 2022

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/services-and-programmes/veterinary-services-0#s=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. 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.

SANAS accreditation and DALRRD: DAH approval

SANAS accredited and DALRRD: DAH approved test methods 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

Page No.

BACTERIOLOGY4

BIOCHEMISTRY4

FOOD SAFETY (VETERINARY PUBLIC HEALTH).....5

HISTOPATHOLOGY8

PATHOLOGY (POSTMORTEM / NECROPSY)9

PCR (MOLECULAR) 10

PARASITOLOGY 10

SEROLOGY 11

TOXICOLOGY 12

VIROLOGY 12



BACTERIOLOGY								
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	R407.00/ 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	Litter - 25 grams Meconium - 10 grams Organs - 1 gram / swab Stomach content Aspirates / fluids	Selective culture Biochemical identification	R407.00/ 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	Milk - 20ml Lymph Nodes Blood 5ml Stomach contents	Culture & Biochemical identification	R352.00/ 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	R120.00/ 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								
Test/s required	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
Serum / plasma analysis: Cu, Zn	Serum / plasma (5-10ml)	ICP-OES	R120/ element	Serum (Red / Yellow top), Plasma separated from Whole blood (Heparin – Green top).	Haemolysed serum with or without clot	within 24 hours	4°C-8°C	10 work days
Organ (Liver, kidney): Cu, Zn, Fe, Mn	Liver / kidney (100g), Liver biopsy (≥0.7g)	ICP-OES	R120.00/ element	Fresh organs on ice Organs in 7-10% unbuffered Formalin, clean leak-proof sample bottle, sealed plastic bag	Decomposed samples, 7-10% buffered formalin	within 24 hours	Fresh samples - frozen organs on ice	15 work days



BIOCHEMISTRY								
Test/s required	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
Feed analysis: Cu, Zn, Fe, Mn	Feed (100g)	ICP-OES	R120.00/element	Feed in a secure, clean plastic / paper bag	Wet, badly packed samples	within 48 hours	Ambient temperature	15 work days
Bone (ash) analysis: Cu, Fe, Zn, Mn	Bone (50g)	ICP-OES	R120.00/element	Fresh bone frozen (kept on ice), clean sample container, leak-proof	Bone with muscle tissue attached; bone in formalin	within 48 hours	Fresh samples - frozen, transport on ice	15 work days
Serum: Gamma-Globulin	Serum (5-10ml)	Spectrometry (turbidity)	R54.00/sample	Serum (Red / Yellow top), preferably separated from clot	Plasma, Whole blood, Haemolysed serum	within 24 hours	4°C-8°C	10 work days
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	R15.00/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)								
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)	R113.00/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	R137.00/sample	Fresh specimen	Decomposed sample	24-48 Hrs, or as	Transported at ± 4°C-8°C	7 work days



FOOD SAFETY (VETERINARY PUBLIC HEALTH)										
Test method	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time		
		count (SANS / ISO 16649-2)		clearly labelled	Cold chain not maintained Packaging compromised (exposure to environmental contamination)	agreed by the parties involved.				
	# Dry Feed / Foodstuff 50g			Dry feed, clearly labelled	Moist, damp specimen Packaging compromised (exposure to environmental contamination)				Transported at ambient temperature	7 work days
<i>Salmonella</i> spp.	# Meat 100g	Aerobic culture and isolation, detection (ISO 6579-1)	R198.00/ 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		
	# Dry Feed / Foodstuff 50g			Dry feed, clearly labelled	Moist, damp specimen Packaging compromised (exposure to environmental contamination)				Transported at ambient temperature	Salmonella typing referral on request only
	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)	R141.00/ 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
	Rodac / contact / exposure Plate [available from lab]	Aerobic culture and count (SANS / ISO 21528-2)	R141.00/ 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,				Dry swab	Transported at ± 4°C-8°C



FOOD SAFETY (VETERINARY PUBLIC HEALTH)								
Test method	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
				clearly labelled				
Salmonella spp. screening and confirmation	# Meat 100g	Rapid Test (VIDAS)	R431.00 screening test / sample R251.00 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 / Foodstuff 50g			Dry feed, clearly labelled			Transported at ambient temperature	
	Environmental swabs			Swabs in transport medium, clearly labelled			Transported at ± 4°C-8°C	
Listeria monocytogenes screening and confirmation	# Meat 100g	Rapid Test (VIDAS)	R301.00 screening test / sample R167.00 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 / Foodstuff 50g			Dry feed, clearly labelled			Transported at ambient temperature	
	Environmental swabs			Swabs in transport medium, clearly labelled			Transported at ± 4°C-8°C	
Aerobic plate count (Water)		Aerobic culture and count (SANS 5221)	R113.00/ 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)	R126.00/ 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)	R274.00/ 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	Aerobic culture and count	R163.00/ sample	Water in a sterile sampling container	Dirty, unsterile sample containers	24-48 Hrs, or as agreed by the	Transported at ± 4°C-8°C or at	7 work days



FOOD SAFETY (VETERINARY PUBLIC HEALTH)								
Test method	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
		(SANS 7899-2)				parties involved.	ambient temperature	
E. coli and Total coliforms (Water)	Water 1000ml	Colilert™ test	R266.00/ 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	R135.00/ 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	R163.00/ 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
Heterotrophic Plate Count (Water)	Water 1000ml	IDEXX™ HPC SimPlate	R253.00/ 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								
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	R460.00 / case (1-5 cassettes)	Fresh sample Correct size	Decomposed or dried out samples Incorrect size Incorrect formalin solution	1 week	Must be in a watertight container	20 work days
	Organs: Maximum 10mm thickness.		R334.00 / case (1-5 cassettes)	A 10% neutral buffered formalin solution				
	Whole brain to be fixed in formalin for longer period.	Processing and staining only	R140.00 / per case (1-4 slides)	Sample must be totally covered in formalin Minimal organic soiling of formalin				
	Ratio of sample to formalin must be 1:10	Additional special stains						



PATHOLOGY (POSTMORTEM / NECROPSY)

* 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>Large animal (adult) R1036.00 / animal</p> <p>Small stock, dog, cats, immature large animal: R656 / animal</p> <p>Poultry/ Birds: R518.00 / 1-5 birds</p> <p>Ostrich, Adult: R1036.00 / ostrich</p> <p>Ostrich, immature: R518 /1-5 ostriches</p> <p>Foetus R760.00 / foetus (includes Brucellosis investigation ONLY), additional referral testing for client account</p> <p>Reptiles / Exotics R656.00 / animal</p> <p>Aquaculture (Fish, abalone, Oysters, Sea Urchins) R656.00 / animal^ ^Contact lab for recommended sample number</p> <p>After Hours, Adult large animal: R3131.00 / animal</p> <p>* Referral / subcontractor testing (may be subject to additional laboratory test fees).</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 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	<p>On request</p> <p>Samples are submitted for referral testing (contact laboratory for details)</p>



PCR (MOLECULAR)

Test method	Sample Type & Size	Assay	Fee	Suitable Sample	Unsuitable Sample	To reach the lab within:	Transport Requirements	Maximum turn-around time
# Avian Influenza Virus A	Trachea, cloaca, tissue swab (PCR rayon / cotton tipped, plastic shaft swab) Tissue (trachea, organs)	Screening Matrix gene rRT-PCR	R345.00/ test	Tracheal, cloacal, tissue swab (PCR rayon / cotton tipped, plastic shaft swab) Tissue (tracheal, organs)	Whole blood, serum, unsuitable swab (e.g. wooden shaft, bacterial swab)	24-48 hours	Transported at ± 4°C-8°C	7 work days
		Additional H5 subtype rRT-PCR	R218.00/ test					
		Additional H7 subtype rRT-PCR	R218.00/ test					
# African Horse Sickness Virus	Blood, tissue	Screening VP7 gene rRT-PCR	R327.00/ test	Blood, uncoagulated EDTA only, Tissue (lung, spleen)	Blood (Heparin), Serum	24-48 hours	Transported at ± 4°C-8°C	7 work days
# Newcastle Disease Virus	Trachea, cloaca, tissue swab (PCR rayon / cotton tipped, plastic shaft swab) Tissue (trachea, organs)	Screening Matrix rRT-PCR	R328.00/ test	Tracheal, cloacal, tissue swab (PCR rayon / cotton tipped, plastic shaft swab) Tissue (tracheal, organs)	Whole blood, serum, unsuitable swab (e.g. wooden shaft, bacterial swab)	24-48 hours	Transported at ± 4°C-8°C	7 work days
		NDV detection & Pathotype RT-PCR	R457.00/ test					

PARASITOLOGY

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)	R38.00/ 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	10 work 1days
	Faeces 10 grams (pooled sample)		R51.00/ pool					
Faecal flotation test (qualitative)	Faeces 10 grams	Faecal flotation test (qualitative)	R109.00/ 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	10 work days
Fluke egg detection (conical & liver)	Faeces 10 grams	Worm egg examination (sedimentation)	R38.00/ 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	10 work days
Wool examination for Sheep scab (<i>Psoroptes 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	2 work days



SEROLOGY								
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	Unclotted, Haemolysed serum	5 days	Transported at ± 4°C - 8°C, preferably couriered and not posted	10 work days
		CFT*	R26.00/ 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)	R51.00/ test	Clotted Sample, Clear serum	Unclotted, Haemolysed serum	5 days	Transported at ± 4°C - 8°C, preferably couriered and not posted	10 work days
		CFT*	R81.00/ 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	Unclotted, Haemolysed	5 days	Transported at ± 4°C - 8°C, preferably couriered and not posted	10 work days
		CFT*	R26.00/ test					10 work days
<i>Brucella ovis</i> (Ovine)	Whole clotted blood 6-10ml / Serum - 3 ml	CFT*	R30.00/ test	Clotted Sample, Clear serum	Unclotted, 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	Unclotted, 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	R28.00/ antigen	Clotted Sample Clear Serum	Unclotted, Haemolysed	3 days	Transported at ± 4°C - 8°C, preferably couriered and not posted	10 work days
# Influenza A virus antibody (Avian, Ostrich)	Whole clotted blood 6-10ml / Serum - 3 ml	ELISA	R40.00/ test	Clotted Sample Clear Serum	Unclotted, 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								
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	R36.00/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	R76.00/sample	Sample must be representative of feed batch	Grass with immature seed	Not applicable	Ambient temperature	3 work days

VIROLOGY								
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	R659.00/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