

**Dear valued breeder**

Thank you for choosing Unistel as your animal genetics partner and service provider. The aim of this document is to provide our clients with a detailed explanation of the sample sending process.

**1. Preferred sample types:**

**1.1. Hair (preferred sample)**

Clients are encouraged to place samples in separate envelopes to ensure that the sample remains dry and free of fungal growths which has a negative impact on the downstream testing success. Unistel branded envelopes can be ordered free of charge. In order to successfully extract DNA from hair samples, it is crucial to have intact roots on the hair samples. The roots are the white “swollen” ends of the hair shaft, which is visible when plucked. The easiest and most reliable hair samples are found on the tail of cattle.

The following procedure should be followed:

- The animal should be confined to ensure safe handling. Take hold of about 30 – 40 hair shafts (pencil thickness) about one third from the base of the tail. Fold these tightly around the index finger and secure with the thumb. When you have a good grip on the hair, pull quickly.

**1.2. Semen Straws**

Used or unused semen straws can be submitted. Please place the straw in an envelope and write the name and/or tag of the bull on the envelope.

**1.3. Blood (not preferred)**

Blood samples should be sent in EDTA tubes (Purple caps). Please indicate the tag and/or name of the animal on the tube.

**1.4. Tissue/skin sample (not preferred)**

Please indicate the tag and/or name of the animal on the collection tube/vial.

**Filling in of information on envelope:**

Please write the tag and/or name of the specific animal on the envelope. This should be the same tag and/or name that appears on the accompanying forms (as explained later in this document).

## 2. Forms to accompany samples

Please note that samples cannot be processed without being accompanied by the relevant sample submission forms.

All samples should be accompanied by a sample submission form (2.1) and animal details form (2.2) (see examples below)

### 2.1. Sample submission form:



## REQUEST FORM FOR CATTLE TESTING

This specimen request form **MUST** accompany each specimen/s.

OWNER INFORMATION		ACCOUNT TO		
ID number: [ ]	<input type="checkbox"/> <b>Society:</b> Only if arranged in advance with the society  <b>Owner:</b> Less than 5 samples must accompany proof of payment, an invoice will only be made out on request. <input type="checkbox"/> <b>Deposit (Please attached proof of payment)</b> Bank details: Standard Bank Branch Code: 050410 Account nr: 041925558 Account name: Unistel Medical Laboratories Deposit reference: Cattle: Owner Name  Signature: _____	PRICE/ UNIT (Vat Excl)	NO OF SPECIMEN	TOTAL
Surname: [ ]				
Member number: [ ]				
Company: [ ]				
VAT nr: [ ]				
Address: [ ]				
Contact Person: [ ]				
E-Mail: [ ]				
Tel: (H): [ ] (W): [ ]				
Cell: [ ]				
TEST No	TEST AVAILABLE (Additional R200 per sample for priority/urgent cases) <input type="checkbox"/> Please tick if required			
1	DNA profile (if more than 30 samples, less 5%)			
2	DNA profile and parentage (to include a nomination form)			
3	3 in 1: DNA+Pompe's+CM8 Strongly advised by Society (Brahman, Brangus, Brafford)			
4	4 in 1: DNA+Pompe's+CM8+Double Muscling Myostatin: (nt821; F84L; G204x) Any 2 mutation: Spoofly: [ ] Any 1 mutation: Spoofly: [ ]			
5	DNA profile + Double Muscling (nt821; F84L; G204x)			
6	Double Muscling Myostatin: (nt821; F84L; G204x) Any 2 mutation: Spoofly: [ ] Any 1 mutation: Spoofly: [ ]			
7	Cyclospora: 1/28 translocation Applicable to Simmentaler, Simbra (Blood In Heparin tubes)			
8	Bulldog / Dexter Test (hair sample required)			
9	Kappa Casein+Beta Lactoglobulin+Beta Casein (A1/A2) Variants			
10	Kappa Casein OR Beta Lactoglobulin OR Beta Casein: Specify variant to be tested: [ ]			
11	SRK Illumina Bovine Besdohip plus Genetic Traits & Disorder assessment (Includes Polled, Coat Colour and Myostatin status)			
12	Trichostrongylus axei			
13	Camphylobacter			
14	Trichostrongylus axei AND Camphylobacter			
Postal Address:	Suite 13, Private Bag X22 Tygervalley 7536 South Africa	Address:	De Tijger Office Park Block 1, Parow North 7500 South Africa	VAT
				TOTAL

Results to:  Society  Owner  Contact Person

I accept the instructions and terms stipulated and consent to the DNA data being recorded in the database of Unistel Animal Services.  
I hereby consent to the further processing of the personal information provided on this form in terms of the Protection of Personal Information Act (2013) for the purpose of conducting this test and hereby agree to the terms and conditions of Unistel's privacy policy and general terms and conditions for animal testing services which can be found at [www.unistelmedical.co.za](http://www.unistelmedical.co.za).

Signature: \_\_\_\_\_ Date: \_\_\_\_\_ [Click here to enter a date.](#)

Unistel (Pty) Ltd. (Unistel) should always receive samples original outside of South Africa, the client must first Unistel prior to shipping samples so that we can apply for an import permit. Samples can only be shipped once a permit has been obtained and this permit will only be valid for one shipment. Unistel will cover the cost of permits for orders of 10 or more animals. Shipments





### 3. Sending of samples/parcels

#### 3.1. Complimentary sending options

**Unistel will bear the cost if the parcel is delivered to one of the following:**

##### 3.1.1. Dawn Wing Courier Services

- Samples can be delivered to your nearest Dawn Wing Branch.
- Use owner code: CPT3990
- Customers must complete waybills at the relevant branch and samples should be inserted into Dawn Wing flyer bag supplied.
- Delivery address: Unistel Medical Laboratories, Block 1, De Tijger Park, 59 Hannes Louw Drive, Parow North, Cape Town, 7500. Att: Animal Specimen Reception. Contact number 021 0075617.
- It is very important to ensure that the account number (**CPT3990**) is quoted on the waybill and the correct service type is chosen namely: **“Economy”**.

##### 3.1.2. Ampath Pathologist Courier Services

- Samples can be delivered to your nearest Ampath Pathologist Branch.
- The envelope must be identified by client as:  
Hair sample for genetic testing  
For Attention: Unistel – Animal Specimen Reception  
From: client name
- The envelope will be delivered at Ampath depot and transported by Ampath to: Ampath NRL Sendaways; Tel: 012 678 0512/4
- The Sendaway department will arrange transportation of parcel to Cape Town – Unistel Medical Laboratories.

##### 3.1.3. PathCare Pathologist Courier Services

- Samples can be delivered only to PathCare Branches at Klerksdorp, Wolmaransstad and Bethlehem or any PathCare branch in the Western Cape and Free State.
- The envelope must be identified by client as:  
Hair sample for genetic testing  
For Attention: Unistel – Animal Specimen Reception  
From: client name
- PathCare will arrange transportation of parcel to Cape Town – Unistel Medical Laboratories.

### **3.2. Other Couriers services**

Breeders are welcome to send samples using any other courier service of their choosing at their own expense. Please select the counter to door option and send the samples to the following address:

Unistel Medical Laboratories, Block 1, De Tijger Park, 57 Hannes Louw Drive, Parow North, Cape Town, 7500. Att: Animal Specimen Reception. Contact number 021 0075617.

### **3.3. Delivery By hand**

Samples can be delivered by hand to Animal Reception (first floor) at Unistel at the following address: Block 1, De Tijger Park, 59 Hannes Louw Drive, Parow North, Cape Town, 7500

## **4. Results**

We'll do our utmost to send results to our clients as soon as possible. However, please take note that in periods of high sample volume we cannot guarantee results within 14 working days.

### **4.1. Urgent results**

Should you require results urgently, we are able to process samples as urgent at an extra cost of R200 per sample (excluding VAT). This will ensure that samples are given priority status. Please take note: the urgent option on diagnostic testing only applies to <20 animals per urgent request. There is no limit for urgent samples on profiling tests. Please note the urgent fee is not applicable to 50K genomic testing.

Should you have any questions or concerns, please do not hesitate to contact us at +27 (0)21 007 5617 or [animals@unistelmedical.co.za](mailto:animals@unistelmedical.co.za)

**Thank you for your continued support.**

**Kind regards,  
Unistel management.**