

MOLECULAR DIAGNOSTIC SERVICES (PTY) LTD

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VETERINARY MOLECULAR RESULT - FINAL REPORT

CLIENT: University of Pretoria, Faculty of Veterinary Science RN#: RN051516

Facalty of Vet

TEL: 012 529 8161/0125298073 DATE RECEIVED: 04 Mar 2021 DATE AUTHORISED: 25 Mar 2021

CELL: 0125298334

> Pretoria 0110

FAX:

DATE SAMPLE/S 02 Mar 2021 EMAIL: johan.steyl@up.ac.za

COLLECTED:

CLIENT REFERENCE: ADDRESS: Private bag x 04 Test samples individually - samples Onderstepoort

from 2019

Date Tested	MDS No.	*Owner	*Species	*Animal ID	*Sample Type	*Test	Result	Commen
19 Mar 2021	513488	Unknown - Farmer from Rwanda	Bovine	Ab 01	Extracted DNA	Anaplasma phagocytophilum	*	[1]
19 Mar 2021	513488	Unknown - Farmer from Rwanda	Bovine	Ab 01	Extracted DNA	Bovine Herpes Virus Type 4	*	[1]
19 Mar 2021	513488	Unknown - Farmer from Rwanda	Bovine	Ab 01	Extracted DNA	Campylobacter fetus	*	[1]
19 Mar 2021	513488	Unknown - Farmer from Rwanda	Bovine	Ab 01	Extracted DNA	Chlamydophila spp	*	[1]
19 Mar 2021	513488	Unknown - Farmer from Rwanda	Bovine	Ab 01	Extracted DNA	Coxiella burnetii	*	[1]
19 Mar 2021	513488	Unknown - Farmer from Rwanda	Bovine	Ab 01	Extracted DNA	Leptospira pathogenes	*	[1]
19 Mar 2021	513488	Unknown - Farmer from Rwanda	Bovine	Ab 01	Extracted DNA	Listeria monocytogenes	*	[1]
19 Mar 2021	513488	Unknown - Farmer from Rwanda	Bovine	Ab 01	Extracted DNA	Salmonella spp.	*	[1]
19 Mar 2021	513489	Unknown - Farmer from Rwanda	Bovine	Ab 02	Extracted DNA	Anaplasma phagocytophilum	Not Detected	
19 Mar 2021	513489	Unknown - Farmer from Rwanda	Bovine	Ab 02	Extracted DNA	Bovine Herpes Virus Type 4	Not Detected	
19 Mar 2021	513489	Unknown - Farmer from Rwanda	Bovine	Ab 02	Extracted DNA	Campylobacter fetus	Positive	
19 Mar 2021	513489	Unknown - Farmer from Rwanda	Bovine	Ab 02	Extracted DNA	Chlamydophila spp	Not Detected	
19 Mar 2021	513489	Unknown - Farmer from Rwanda	Bovine	Ab 02	Extracted DNA	Coxiella burnetii	Not Detected	

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19 Mar 2021 513469 Farmer from Bovine Ab 02 Extracted DNA Lightonia Defended De								
19 Mar 2021 513499 Farmer from Royanda Bovine Ab 02 Extracted DNA Comprehenses Not Detected	513489	Farmer from	Bovine	Ab 02	Extracted DNA		Not Detected	
19 Mar 2021 213490 Entranction Bovine Ab 02 Extracted DNA Salmonellia spp. Not Detected	513489	Farmer from	Bovine	Ab 02	Extracted DNA		Not Detected	
19 Mar 2021 513490 Farmer from Rwands Bovine Ab 03 Extracted DNA phagocytophilum Not Detected phagonal P	513489	Farmer from	Bovine	Ab 02	Extracted DNA	Salmonella spp.	Not Detected	
19 Mar 2021 513490 Fammer from Rovanda Rovine Rovanda Rovine Rovanda	513490	Farmer from	Bovine	Ab 03	Extracted DNA		Not Detected	
19 Mar 2021 513490 Unknown- Farmer from Rwands Bovine Ab 03 Extracted DNA Campylobacter fetus Not Detected letus Spp Not Detected letus S	513490	Farmer from	Bovine	Ab 03	Extracted DNA		Not Detected	
19 Mar 2021 513490 Farmer from Rwanda Bovine Ramer from Rwanda Bovine Rwanda State of Part	513490	Farmer from	Bovine	Ab 03	Extracted DNA		Not Detected	
19 Mar 2021 513490 Farmer from Bovine Ab 03 Extracted DNA Coxiella burnetii Not Detected	513490	Farmer from	Bovine	Ab 03	Extracted DNA		Not Detected	
19 Mar 2021 213490 Farmer from Rwanda Bovine Rwanda Bovine Rwanda Bovine Rwanda Dinknown - Farmer from Rwanda Extracted DNA	513490	Farmer from	Bovine	Ab 03	Extracted DNA	Coxiella burnetii	Not Detected	
19 Mar 2021 513490 Farmer from Rwanda Bovine Ab 03 Extracted DNA Incocytogenes Not Detected monocytogenes Not Detected monocytogenes Not Detected monocytogenes Not Detected monocytogenes Not Detected Extracted DNA Salmonella spp. Positive Not Detected Salmonella spp. Positive Salmonella spp. Salmonella spp. Positive Salmonella spp. Positive Salmonella spp. Positive Salmonella spp. Salmonella spp. Salmonella spp. Not Detected Salmonella spp. Salmonella spp. Not Detected Salmonella spp. Salmonella spp. Salmonella spp. Salmonella spp. Not Detected Salmonella spp. Salmonella spp. Salmonella spp. Not Detected Salmonella spp. Salmonella spp. Not Detected Salmonella spp. Salmonella s	513490	Farmer from	Bovine	Ab 03	Extracted DNA		Not Detected	
Star	513490	Farmer from	Bovine	Ab 03	Extracted DNA		Not Detected	
25 Mar 2021 513491 Farmer from Rwanda Bovine Ab 04 Extracted DNA Campylobacter fetus Not Detected fetus Not Detected fetus S13491 Farmer from Rwanda Bovine Ab 05 Extracted DNA Campylobacter fetus Not Detected S13492 Farmer from Rwanda Bovine Ab 05 Extracted DNA Campylobacter fetus Not Detected S13492 Farmer from Rwanda Bovine Ab 05 Extracted DNA Campylobacter fetus Not Detected S13492 Farmer from Rwanda Bovine Ab 07 Extracted DNA Campylobacter fetus Not Detected S13493 Farmer from Rwanda Bovine Ab 07 Extracted DNA Campylobacter fetus Not Detected S13493 Farmer from Rwanda Bovine Ab 07 Extracted DNA Campylobacter fetus Not Detected S13493 Farmer from Rwanda Bovine Ab 07 Extracted DNA Campylobacter fetus Not Detected S13493 Farmer from Rwanda Bovine Ab 09 Extracted DNA Campylobacter fetus Not Detected S13494 Farmer from Rwanda Bovine Ab 09 Extracted DNA Campylobacter fetus Not Detected S13494 Farmer from Rwanda Bovine Ab 09 Extracted DNA Campylobacter fetus Not Detected S13494 Farmer from Rwanda Bovine Ab 09 Extracted DNA Leptospira spp. Not Detected S13494 Farmer from Rwanda Bovine Ab 09 Extracted DNA Leptospira spp. Not Detected S13494 Farmer from Rwanda Bovine Ab 13 Extracted DNA Anaplasma phagocytophilum Not Detected S13495 Farmer from Rwanda Bovine Ab 13 Extracted DNA S13495 Farmer from Rwanda S13495 Farmer from Rwanda S0341 S13495 Farmer from Rwanda S0341 S13495 S13495 Farmer from S04194 S13495 S	513490	Farmer from	Bovine	Ab 03	Extracted DNA	Salmonella spp.	Not Detected	
25 Mar 2021 513491 Farmer from Rwanda Bovine Ab 04 Extracted DNA Leptospira spp. Positive 25 Mar 2021 513492 Farmer from Rwanda Bovine Ab 05 Extracted DNA Campylobacter fetus Not Detected 25 Mar 2021 513492 Unknown - Farmer from Rwanda Bovine Ab 05 Extracted DNA Leptospira spp. Not Detected 25 Mar 2021 513493 Unknown - Farmer from Rwanda Bovine Ab 07 Extracted DNA Campylobacter fetus Not Detected 25 Mar 2021 513493 Unknown - Farmer from Rwanda Bovine Ab 07 Extracted DNA Leptospira spp. Not Detected 25 Mar 2021 513493 Unknown - Farmer from Rwanda Bovine Ab 07 Extracted DNA Leptospira spp. Not Detected 25 Mar 2021 513494 Unknown - Farmer from Rwanda Bovine Ab 09 Extracted DNA Campylobacter fetus Not Detected 25 Mar 2021 513494 Unknown - Farmer from Rwanda Bovine Ab 09 Extracted DNA Leptospira spp. Not Detected 25 Mar 2021 513494 Unknown - Farmer from Rwanda Bovine Ab 09 Extracted DNA Leptospira spp. Not Detected 25 Mar 2021 513494 Unknown - Farmer from Rwanda Bovine Ab 09 Extracted DNA Leptospira spp. Not Detected 25 Mar 2021 513494 Unknown - Farmer from Rwanda Bovine Ab 13 Extracted DNA Bovine Herpes Parmer from Rwanda Bovine Herpes Not Detected	513491	Farmer from	Bovine	Ab 04	Extracted DNA		Not Detected	
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Stracted DNA Leptospira spp. Not Detected	513492	Farmer from	Bovine	Ab 05	Extracted DNA		Not Detected	
State Stat	513492	Farmer from	Bovine	Ab 05	Extracted DNA	Leptospira spp.	Not Detected	
Stracted DNA Stracted DNA Stracted DNA Stracted DNA Leptospira spp. Not Detected	513493	Farmer from	Bovine	Ab 07	Extracted DNA		Not Detected	
25 Mar 2021 513494 Farmer from Rwanda Bovine Ab 09 Extracted DNA Campylobacter fetus Not Detected 25 Mar 2021 513494 Farmer from Rwanda Bovine Ab 09 Extracted DNA Leptospira spp. Not Detected 19 Mar 2021 513495 Unknown - Farmer from Rwanda Bovine Ab 13 Extracted DNA Anaplasma phagocytophilum Not Detected 19 Mar 2021 513495 Unknown - Farmer from Rwanda Bovine Ab 13 Extracted DNA Bovine Herpes Not Detected	513493	Farmer from	Bovine	Ab 07	Extracted DNA	Leptospira spp.	Not Detected	
25 Mar 2021 513494 Farmer from Rwanda Bovine Ab 09 Extracted DNA Leptospira spp. Not Detected 19 Mar 2021 513495 Unknown - Farmer from Rwanda Bovine Ab 13 Extracted DNA Anaplasma phagocytophilum Not Detected 19 Mar 2021 513495 Farmer from Bovine Ab 13 Extracted DNA Bovine Herpes Not Detected	513494	Farmer from	Bovine	Ab 09	Extracted DNA		Not Detected	
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19 Mar 513495 Farmer from Bovine Ab 13 Extracted DNA Wirus Type 4 Not Detected	513495	Farmer from	Bovine	Ab 13	Extracted DNA		Not Detected	
	513495	Farmer from	Bovine	Ab 13	Extracted DNA		Not Detected	

19 Mar 2021	513495	Unknown - Farmer from Rwanda	Bovine	Ab 13	Extracted DNA	Campylobacter fetus	Positive	
19 Mar 2021	513495	Unknown - Farmer from Rwanda	Bovine	Ab 13	Extracted DNA	Chlamydophila spp	Not Detected	
19 Mar 2021	513495	Unknown - Farmer from Rwanda	Bovine	Ab 13	Extracted DNA	Coxiella burnetii	Not Detected	
19 Mar 2021	513495	Unknown - Farmer from Rwanda	Bovine	Ab 13	Extracted DNA	Leptospira pathogenes	Not Detected	
19 Mar 2021	513495	Unknown - Farmer from Rwanda	Bovine	Ab 13	Extracted DNA	Listeria monocytogenes	Not Detected	
19 Mar 2021	513495	Unknown - Farmer from Rwanda	Bovine	Ab 13	Extracted DNA	Salmonella spp.	Not Detected	
19 Mar 2021	513496	Unknown - Farmer from Rwanda	Bovine	Ab 14	Extracted DNA	Anaplasma phagocytophilum	Not Detected	
19 Mar 2021	513496	Unknown - Farmer from Rwanda	Bovine	Ab 14	Extracted DNA	Bovine Herpes Virus Type 4	Not Detected	
19 Mar 2021	513496	Unknown - Farmer from Rwanda	Bovine	Ab 14	Extracted DNA	Campylobacter fetus	Positive	
19 Mar 2021	513496	Unknown - Farmer from Rwanda	Bovine	Ab 14	Extracted DNA	Chlamydophila spp	Not Detected	
19 Mar 2021	513496	Unknown - Farmer from Rwanda	Bovine	Ab 14	Extracted DNA	Coxiella burnetii	Not Detected	
19 Mar 2021	513496	Unknown - Farmer from Rwanda	Bovine	Ab 14	Extracted DNA	Leptospira pathogenes	Not Detected	
19 Mar 2021	513496	Unknown - Farmer from Rwanda	Bovine	Ab 14	Extracted DNA	Listeria monocytogenes	Not Detected	
19 Mar 2021	513496	Unknown - Farmer from Rwanda	Bovine	Ab 14	Extracted DNA	Salmonella spp.	Not Detected	
19 Mar 2021	513497	Unknown - Farmer from Rwanda	Bovine	Ab 15	Extracted DNA	Anaplasma phagocytophilum	Not Detected	
19 Mar 2021	513497	Unknown - Farmer from Rwanda	Bovine	Ab 15	Extracted DNA	Bovine Herpes Virus Type 4	Not Detected	
19 Mar 2021	513497	Unknown - Farmer from Rwanda	Bovine	Ab 15	Extracted DNA	Campylobacter fetus	Positive	
19 Mar 2021	513497	Unknown - Farmer from Rwanda	Bovine	Ab 15	Extracted DNA	Chlamydophila spp	Not Detected	
19 Mar 2021	513497	Unknown - Farmer from Rwanda	Bovine	Ab 15	Extracted DNA	Coxiella burnetii	Not Detected	
19 Mar 2021	513497	Unknown - Farmer from Rwanda	Bovine	Ab 15	Extracted DNA	Leptospira pathogenes	Positive	
19 Mar 2021	513497	Unknown - Farmer from Rwanda	Bovine	Ab 15	Extracted DNA	Listeria monocytogenes	Not Detected	

19 Mar 2021 513499 Farmer from Bovine Ab 15 Extracted DNA Salmonella spp. Not Detected								
19 Mar 2021 213498 Farmer from Rewards Rewar	513497	Farmer from	Bovine	Ab 15	Extracted DNA	Salmonella spp.	Not Detected	
19 Mar 2021 513498 Disknown - Farmer from Rounda Bovine Ab 16 Extracted DNA Conspicio Positive Farmer from Rounda Positive Positive Positive Farmer from Rounda Positive Positive Positive Farmer from Rounda Positive Positiv	513498	Farmer from	Bovine	Ab 16	Extracted DNA		Not Detected	
19 Mar 2021 513498 Comment from Remark f	513498	Farmer from	Bovine	Ab 16	Extracted DNA		Not Detected	
19 Mar 2021 513498 Farmer from Ravanda Povine P	513498	Farmer from	Bovine	Ab 16	Extracted DNA		Positive	
19 Mar 2021 513498 Farmer from Bovine Ab 16 Extracted DNA Coxiella burnetii Not Detected	513498	Farmer from	Bovine	Ab 16	Extracted DNA		Not Detected	
19 Mar 2021 513498 Farmer from Bovine Ab 16 Extracted DNA Listeria pathogenes Not Detected	513498	Farmer from	Bovine	Ab 16	Extracted DNA	Coxiella burnetii	Not Detected	
19 Mar 2021 513498 Farmer from Bovine Ab 16 Extracted DNA Salmonella spp. Not Detected	513498	Farmer from	Bovine	Ab 16	Extracted DNA		Not Detected	
19 Mar 2021 513498 Farmer from Rwanda Bovine Rbovine Rwanda Bovine Rwand	513498	Farmer from	Bovine	Ab 16	Extracted DNA		Not Detected	
25 Mar 2021 513499 Farmer from Rwanda Unknown - Farmer from Rwanda Bovine Ab 18 Extracted DNA Unknown - Farmer from Rwanda Bovine Ab 18 Extracted DNA Campylobacter fetus Positive fetus Positive fetus Positive fetus Unknown - Farmer from Rwanda Bovine Ab 18 Extracted DNA Campylobacter fetus Positive fetus Positive fetus Unknown - Farmer from Rwanda Bovine Ab 18 Extracted DNA Coxiella burnetii Not Detected Spp Unknown - Farmer from Rwanda Bovine Ab 18 Extracted DNA Coxiella burnetii Not Detected Unknown - Farmer from Rwanda Bovine Ab 18 Extracted DNA Leptospira pathogenes Not Detected Unknown - Farmer from Rwanda Bovine Ab 18 Extracted DNA Leptospira pathogenes Not Detected Unknown - Farmer from Rwanda Bovine Ab 18 Extracted DNA Salmonella spp. Not Detected Unknown - Farmer from Rwanda Bovine Ab 18 Extracted DNA Salmonella spp. Not Detected Unknown - Farmer from Rwanda Bovine Ab 18 Extracted DNA Salmonella spp. Not Detected Unknown - Farmer from Rwanda Bovine Ab 20 Extracted DNA Develophillum Not Detected Unknown - Farmer from Rwanda Bovine Ab 20 Extracted DNA Develophillum Not Detected Unknown - Farmer from Rwanda Bovine Ab 20 Extracted DNA Develophillum Not Detected Unknown - Farmer from Rwanda Bovine Ab 20 Extracted DNA Develophillum Not Detected Unknown - Farmer from Rwanda Bovine Ab 20 Extracted DNA Develophillum Not Detected Unknown - Farmer from Rwanda Bovine Ab 20 Extracted DNA Unknown - Farmer from Rwanda Bovine Ab 20 Extracted DNA Unknown - Farmer from Rwanda Bovine Ab 20 Extracted DNA Unknown - Farmer from Rwanda Bovine Ab 20 Extracted DNA Unknown - Farmer from Rwanda Bovine Ab 20 Extracted DNA Unknown -	513498	Farmer from	Bovine	Ab 16	Extracted DNA	Salmonella spp.	Not Detected	
25 Mar 2021 513499 Farmer from Rwanda Bovine Rwanda Bovine Rwanda Extracted DNA Leptospira spp. Positive	513499	Farmer from	Bovine	Ab 17	Extracted DNA		Weak Positive	
19 Mar 2021 513500 Farmer from Rwanda Bovine Ab 18 Extracted DNA Pagocytophillum phagocytophillum phagocytop	513499	Farmer from	Bovine	Ab 17	Extracted DNA	Leptospira spp.	Positive	
Solution	513500	Farmer from	Bovine	Ab 18	Extracted DNA		Not Detected	
19 Mar 2021 513500 Farmer from Rwanda Bovine Ab 18 Extracted DNA Campylobacter fetus Positive 19 Mar 2021 513500 Unknown - Farmer from Rwanda Bovine Ab 18 Extracted DNA Coxiella burnetii Not Detected Spp Not D	513500	Farmer from	Bovine	Ab 18	Extracted DNA		Not Detected	
19 Mar 2021 513500 Farmer from Rwanda Bovine Ab 18 Extracted DNA Coxiella burnetii Not Detected	513500	Farmer from	Bovine	Ab 18	Extracted DNA		Positive	
19 Mar 2021 513500 Farmer from Rwanda Bovine Ab 18 Extracted DNA Coxiella burnetii Not Detected 19 Mar 2021 513500 Unknown - Farmer from Rwanda Bovine Ab 18 Extracted DNA Leptospira pathogenes Not Detected 19 Mar 2021 513500 Unknown - Farmer from Rwanda Bovine Ab 18 Extracted DNA Listeria monocytogenes Not Detected 19 Mar 2021 513500 Unknown - Farmer from Rwanda Bovine Ab 18 Extracted DNA Salmonella spp. Not Detected 19 Mar 2021 513500 Unknown - Farmer from Rwanda Bovine Ab 20 Extracted DNA Anaplasma phagocytophilum Not Detected 19 Mar 2021 513501 Unknown - Farmer from Rwanda Bovine Ab 20 Extracted DNA Bovine Herpes Not Detected 19 Mar 2021 513501 Unknown - Farmer from Rwanda Bovine Ab 20 Extracted DNA Solvine Herpes Not Detected	513500	Farmer from	Bovine	Ab 18	Extracted DNA		Not Detected	
Farmer from Rwanda 19 Mar 2021 10 Not Detected	513500	Farmer from	Bovine	Ab 18	Extracted DNA	Coxiella burnetii	Not Detected	
19 Mar 2021 513500 Farmer from Rwanda Bovine Ab 18 Extracted DNA Listeria monocytogenes Not Detected 19 Mar 2021 513500 Unknown - Farmer from Rwanda Bovine Ab 18 Extracted DNA Salmonella spp. Not Detected 19 Mar 2021 513501 Unknown - Farmer from Rwanda Bovine Ab 20 Extracted DNA Anaplasma phagocytophilum Not Detected 19 Mar 2021 513501 Unknown - Farmer from Rwanda Bovine Ab 20 Extracted DNA Bovine Herpes Not Detected	513500	Farmer from	Bovine	Ab 18	Extracted DNA		Not Detected	
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19 Mar 2021 513501 Farmer from Rwanda Bovine Ab 20 Extracted DNA Anaplasma phagocytophilum Not Detected 19 Mar 3021 513501 Farmer from Bovine Ab 20 Extracted DNA Bovine Herpes Not Detected	513500	Farmer from	Bovine	Ab 18	Extracted DNA	Salmonella spp.	Not Detected	
19 Mar 2021 513501 Farmer from Bovine Ab 20 Extracted DNA Wirus Type 4 Not Detected	513501	Farmer from	Bovine	Ab 20	Extracted DNA		Not Detected	
	513501	Farmer from	Bovine	Ab 20	Extracted DNA		Not Detected	

19 Mar 2021	513501	Unknown - Farmer from Rwanda	Bovine	Ab 20	Extracted DNA	Campylobacter fetus	Not Detected	
19 Mar 2021	513501	Unknown - Farmer from Rwanda	Bovine	Ab 20	Extracted DNA	Chlamydophila spp	Not Detected	
19 Mar 2021	513501	Unknown - Farmer from Rwanda	Bovine	Ab 20	Extracted DNA	Coxiella burnetii	Not Detected	
19 Mar 2021	513501	Unknown - Farmer from Rwanda	Bovine	Ab 20	Extracted DNA	Leptospira pathogenes	Not Detected	
19 Mar 2021	513501	Unknown - Farmer from Rwanda	Bovine	Ab 20	Extracted DNA	Listeria monocytogenes	Not Detected	
19 Mar 2021	513501	Unknown - Farmer from Rwanda	Bovine	Ab 20	Extracted DNA	Salmonella spp.	Not Detected	
19 Mar 2021	513502	Unknown - Farmer from Rwanda	Bovine	Ab/BC	Extracted DNA	Anaplasma phagocytophilum	Not Detected	
19 Mar 2021	513502	Unknown - Farmer from Rwanda	Bovine	Ab/BC	Extracted DNA	Bovine Herpes Virus Type 4	Not Detected	
19 Mar 2021	513502	Unknown - Farmer from Rwanda	Bovine	Ab/BC	Extracted DNA	Campylobacter fetus	Not Detected	
19 Mar 2021	513502	Unknown - Farmer from Rwanda	Bovine	Ab/BC	Extracted DNA	Chlamydophila spp	Not Detected	
19 Mar 2021	513502	Unknown - Farmer from Rwanda	Bovine	Ab/BC	Extracted DNA	Coxiella burnetii	Not Detected	
19 Mar 2021	513502	Unknown - Farmer from Rwanda	Bovine	Ab/BC	Extracted DNA	Leptospira pathogenes	Not Detected	
19 Mar 2021	513502	Unknown - Farmer from Rwanda	Bovine	Ab/BC	Extracted DNA	Listeria monocytogenes	Not Detected	
19 Mar 2021	513502	Unknown - Farmer from Rwanda	Bovine	Ab/BC	Extracted DNA	Salmonella spp.	Not Detected	
19 Mar 2021	513503	Unknown - Farmer from Rwanda	Bovine	4b	Extracted DNA	Anaplasma phagocytophilum	Not Detected	
19 Mar 2021	513503	Unknown - Farmer from Rwanda	Bovine	4b	Extracted DNA	Bovine Herpes Virus Type 4	Not Detected	
19 Mar 2021	513503	Unknown - Farmer from Rwanda	Bovine	4b	Extracted DNA	Campylobacter fetus	Not Detected	
19 Mar 2021	513503	Unknown - Farmer from Rwanda	Bovine	4b	Extracted DNA	Chlamydophila spp	Not Detected	
19 Mar 2021	513503	Unknown - Farmer from Rwanda	Bovine	4b	Extracted DNA	Coxiella burnetii	Not Detected	
19 Mar 2021	513503	Unknown - Farmer from Rwanda	Bovine	4b	Extracted DNA	Leptospira pathogenes	Not Detected	
19 Mar 2021	513503	Unknown - Farmer from Rwanda	Bovine	4b	Extracted DNA	Listeria monocytogenes	Not Detected	

19 Mar 2021	513503	Unknown - Farmer from Rwanda	Bovine	4b	Extracted DNA	Salmonella spp.	Not Detected	
25 Mar 2021	513504	Unknown - Farmer from Rwanda	Bovine	Abc 2020	Extracted DNA	Campylobacter fetus	Not Detected	
25 Mar 2021	513504	Unknown - Farmer from Rwanda	Bovine	Abc 2020	Extracted DNA	Leptospira spp.	Query positive	
25 Mar 2021	513505	Unknown - Farmer from Rwanda	Bovine	Ab 19	Extracted DNA	Campylobacter fetus	Not Detected	
25 Mar 2021	513505	Unknown - Farmer from Rwanda	Bovine	Ab 19	Extracted DNA	Leptospira spp.	Not Detected	

Sample Condition: Satisfactory unless otherwise indicated; refer to individual sample comment.

INDIVIDUAL RESULT COMMENT/S:

[1] Please note: no housekeeping gene internal control was detected in this sample. We are therefore unable to determine if there were any inhibitors present in the extract. Please submit a primary sample if confirmatory testing is required.

REPORT AUTHORISED BY: Maireschka Smith (D12/9290)

General Comment:

The reported test result/s relate only to the specific sample/s submitted and the status of the bird / animal at the time that the specific sample was collected and as received by the testing laboratory. The information in the columns marked with an asterisk (*) is provided by the customer. MDS does not accept responsibility for incorrect information submitted by the client, that may affect validity of the result. These results were generated by MDS using nucleic acid amplification procedures. Each test done by MDS is internally controlled to validate the testing process and the collected sample.

MDS is not responsible for sampling or environmental conditions that may affect the validity of the result prior to the specific sample arriving at the testing laboratory.

Disclaimer:

In the event that Molecular Diagnostic Services (Pty) Ltd (MDS) returns a verifiable erroneous result for a particular sample, or if negligence is proven on the part of MDS, any claim against MDS is limited to the amount paid or to be paid to perform the test in question. In no event shall MDS be liable for direct, indirect, incidental, consequential, special or other damages of any nature even if MDS has been advised of the possibility of such damage. Should any details on this form be incorrect then they must be brought to the attention of MDS. Any alteration or modification of the information on this form is not authorised and legal action will be taken against any person found guilty of such action. We realize the importance of confidentiality in the service we provide and undertake to abide by our Privacy Policy. For further information about our Privacy Policy, please contact our office or visit our website www.mdsafrica.net.

FOR RESULT QUERIES - Please call 031 267 7000 or email vetsite@mdsafrica.net Director: Dr DF York; Lab Manager: Ms L-A Edwards; Veterinary Department; Bioinformatics Department (sequencing gueries)

END OF REPORT