

APPENDICES

APPENDIX 1: Example of a sampling submission worksheet



J Bloggs and Son
Any Veterinary Hospital
252 Any Road
Anytown
RB12 7JB
Contact: John Smith

Date: 10, January 2011

Herdsure[®] Sampling Worksheet

Johne's Level 1 Step J1a – Full Adult Bleed

Note: This form MUST be submitted with the samples

Request Reference HS0010-01-11 HS0010-01-11
Farm & CPH A. B. Taylor
Sample Required Blood
For Test TC0366 – Mycobacterium Paratuberculosis Ab ELISA
Required by 07/02/2011
Enclosed
Instructions Please collect blood samples (red top) from all breeding animals over 2 years of age.
An ear tag list of cattle over 2 years of age is provided.

Data Protection Act 1998: In addition to recording the information on this form onto the Herdsure Management System, we may also use the data provided for other purposes. Please see the data protection statement on our website www.vlascientific.com.

-----This slip can be removed and retained for your records-----

Herdsure Sampling Worksheet

Activity – Johne's Level 1 Step J1a – Full Adult Bleed

Request Reference HS0010-01-11
Farm & CPH A. B. Taylor
Sample Required Blood
For Test TC0366
Required by 07/02/2011
Enclosed



The Animal Health and Veterinary Laboratories Agency is an executive agency of the Department for Environment, Food and Rural Affairs, working across Great Britain on behalf of Defra, Scottish Government and Welsh Government.



APPENDIX 2: Example of a Sampling Worksheet – Ear Tag Annex



HerdSure Sampling Worksheet – Ear Tags Annex Johne’s Level 1 Step J1a – Full Adult Bleed

It is important that samples submitted to the laboratory are annotated in such a way as to make them clearly traceable to an animal or management group. The following options can be used:

- (1) Write the animal ID on the vacutainer tube and annotate the ear tag list accordingly.
- (2) Write the vacutainer tube number onto the ear tag list (or a partial vacutainer number if appropriate). Please ensure when using non-sequentially numbered vacutainer tubes that no duplication of numbers occurs.

For option (2), enter first Vacutainer Number

Ear tag barcode	Ear tag	CTS age	Sample identifier
UK226257300001	UK226257300001	6y 10m	
UK226257500003	UK226257500003	6y 9m	
UK226257600004	UK226257600004	5y 8m	
UK226257300001	UK226257300001	5y 8m	
UK226257100006	UK226257100006	4y 9m	
UK226257200007	UK226257200007	4y 6m	
UK226257300008	UK226257300008	3y 7m	
UK226257600011	UK226257600011	3y 5m	
UK226257200012	UK226257200012	5y 1m	
UK226257100120	UK226257100120	5y 6m	
UK226257500200	UK226257500200	5y 9m	




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APPENDIX 3: Sampling instructions


Bulk milk collection

A pre-labelled sample collection pot, preservative and packaging have been provided to allow for the collection of a bulk milk sample.

- Collect a bulk milk sample of 25 ml (a full pot) from the bulk milk tank in the sampling pot provided. **NB:** Do *not* dip the sampling pot with preservative into the bulk tank. See the separate safety guidelines for preservative that will be issued with the pots.
- The pot contains a small amount of preservative which will make the milk turn slightly blue; this is normal and will not affect the performance of the test.
- Firmly replace the lid (it is advised to seal the lid with insulation tape in order to avoid leaks).
- Place the sample pot inside the plastic transport container provided and snap shut.
- Place the sample and submission request form back into the envelope and seal with tape. Affix the postage-paid Business Reply label - this covers the full postage cost. 
- Post the package back to the testing laboratory.
- The test results will be returned to you via your nominated veterinary practice.

(**NB:** The safety advice that accompanies the bottles should be adhered to.)

Pooled faeces collection (applicable to liver fluke)

- Collect 5 g of faeces (2 teaspoonfuls) of faeces from either pens or field from at-risk cattle on farm.
- Place each faeces sample into a sampling pot and firmly replace the lid.
- Repeat this sampling until all 40 pots contain a 5 g sample. (Select different sites around the pens/field in order to cover a range of at-risk animals.)
- It is advised to seal the lid with insulation tape in order to avoid leaks.
- Place the pots in a box, along with the submission request form.
- Seal the box with tape and affix the postage-paid Business Reply label - this covers the full postage cost. 
- Post the package back to the testing laboratory.
- The test results will be returned to you via your nominated veterinary practice.

Individual milk collection (applicable to BVD – for pooling at the laboratory)

This procedure will be used following a positive PCR bulk milk sample. The purpose is to identify smaller groups of cows that may include the cow, or cows, that are responsible for excretion of virus in their milk and therefore into the bulk milk sample. By doing this it is possible to reduce the number of cows for BVD antigen testing.

SEE APPENDIX 4 FOR FULL INSTRUCTIONS.

Appendix 4: Collection of individual milk samples for PCR examination in pools of 10

This procedure will be used following a positive PCR bulk milk sample. The purpose is to identify smaller groups of cows that may include the cow, or cows, that are responsible for excretion of virus in their milk and therefore into the bulk milk sample. By doing this it is possible to reduce the number of cows for BVD antigen testing.

For this test, milk should be collected individually from each cow in the group by expressing approximately 5–10 ml of milk directly from the teat, taking care to avoid cross-contamination.

All the samples collected in this way will be pooled in the testing laboratory. Cross-contamination of samples will not result in the inaccurate identification of viraemic cows as the animals in positive pools will be individually blood sampled for BVD antigen. It may, however, result in additional false positive pools with additional antigen testing becoming necessary as a result.

Where two separate bulk milk tanks are in use on a farm, it will be possible to provide two separate bulk milk samples in the first instance. By doing this it may be possible to exclude one part of the herd from individual milk sampling. If this option is chosen, a Herdsure[®] consultant should be informed before submitting the samples. It is important that the animals contributing to each bulk milk sample are accurately identified and that their identities are annotated on the worksheet accompanying the samples.

Follow this procedure to avoid contamination:

1. Wash and dry your hands thoroughly.
2. Only wash the teat to be sampled if it is obviously dirty and then dry it immediately.
3. Discard the first four to five draws of milk.
4. **Clean the end of the teat even if you have just washed and dried it:**
 - a) Use a small piece of cotton wool soaked in surgical spirit (80% spirit / 20% water).
 - b) Wipe the end of the teat with the cotton wool until it is completely clean.
5. **Take the sample:**
 - a) Open the sample bottle – **keep the lid clean** – never place the lid open-side down and preferably hold it in the crook of your little finger.
 - b) Hold the sample bottle at an angle to the teat.
 - c) Discard a further draw of milk.
 - d) Fill the sample bottle to at least half-full.
 - e) Replace the lid carefully. Seal the universal with tape if necessary.
6. **Label the sample bottle** with the cow's ear tag or other unique identifier. Make sure that the ID corresponds with the Herdsure[®] Sampling Worksheet.
7. Send the samples using the pre-paid address label to AHVLA Herdsure[®] Cattle Health Improvement Service, Animal Health and Veterinary Laboratories Agency, PO Box 653, Newcastle upon Tyne, NE12 2ET
(NB: If preservative is added safety advice should be adhered to)

APPENDIX 5: Example - Herd Progress Report

Herdsure® Herd Progress Report



Animal Health and Veterinary Laboratories Agency, PO Box 653, Newcastle upon Tyne, NE12 2ET. Email: Herdsure@ahvla.gsi.gov.uk

The Herd Owned by: _____

Kept at: _____

Holding no: _____

Signed on behalf of the Animal Health and Veterinary Laboratories Agency annually. All samples have been tested in accordance with Herdsure® protocols:

Protocol	Level	Protocol	Level
BVD		Johne's disease	
Leptospirosis		IBR	
Liver fluke		Neosporosis	

Signed: _____

Name: _____

Date: _____

With regard to diseases specified above:

Level 1 – establishes the disease status of the herd

Level 2 - improves the health status of the herd

Level 3 - monitors and aims to maintain the improved health status

To be signed optionally by the person responsible for management of the herd.

The biosecurity recommendations and management actions for the control of the enrolled Herdsure® protocols, listed above as described in the Herdsure® handbook, have been implemented in this herd.

Signed: _____

Name: _____

Date: _____

Please retain for your records. Not to be used as a sales certificate.

Additional copies of this report may be requested at any time for a small fee



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Appendix 6: Example of a Results Report



Any Veterinary Hospital
252 Any Road
Anytown
RB12 7JB
Contact: Joe Swift

Herdsure[®] Report BVD Level 2 Step BD2a – Bulk milk PCR

Request reference HS00003-09-09
Farm & CPH Home Farm 01/123/1234
Sample/Tests Bulk milk /
 TC0709 – Viral RNA in milk PCR
Verdict **Negative**

Verdict Interpretation

Step BD2a (Negative)

PCR on bulk milk has proved negative therefore blood testing of all cattle over 30 days old on the holding can begin, Step BD2d. A sampling worksheet is attached.

TC0709 (†) Results

Sample	Sample Ref	BVD PCR Bulk Milk Result
HS11-13699	Bulk Milk	Negative

John Williams
Responsible Officer
07, April 2011

‡ - Test subcontracted; opinions given and interpretations of the result are outside the scope of UKAS accreditation.
† - Not UKAS accredited; opinions given and interpretations of the result are outside the scope of UKAS accreditation.
For further details of the test methods used, and other terms and conditions, please refer to the VLA Website.



Appendix 7: Sampling Rules

HERDSURE has been designed to cost effectively manage the testing of many herds for multiple diseases over a long time frame. In order to do this we ask veterinary practitioners to assist us by testing the correct animals at the correct time.

SAMPLING RULES

1. Please do not carry out any sampling until you receive sampling submission forms with instructions.
2. Follow Herdsure® protocols as specified on the sample submission form. The Herdsure Management System follows a stepped testing process and skipping steps will cause delays for your client.
3. Use the correct blood tubes and fill to a minimum of half way, to prevent having to revisit the farm and resample animals.

BVD - Green top (Heparinised)
All other diseases - Red top (Plain)
4. If animals are not sampled, please record on the submission form the reason why.
5. Bulk milk sample pots should contain preservative. (These are normally supplied by Herdsure with clear instructions)
6. When taking youngstock blood samples please ensure the animals are in the correct age group for sampling.
7. **All samples must correspond with full ear tag numbers. Otherwise testing will be delayed until we receive this information. Freeze brands and part numbers are not acceptable.**
8. Ensure all paperwork is included with the samples - front page and ear tag list with corresponding blood tube number. Ear tag lists from TB or brucellosis worksheets are acceptable. Neospora Level 2 does not have an ear tag list so please use Form C (unscheduled submission form).
9. Please tape together multiple boxes of bloods to avoid boxes being separated in the post.
10. If you are unsure of testing requirements please call the Herdsure helpline prior to arriving on farm.

Information at www.vlascientific.com (click on Health Improvement Services)