



140 Riverlea Road
Private Bag 3016
Hamilton 3240

Phone: 0800 436 362
Fax 0800 329 436
animal_health@lic.co.nz



VET Bulk Milk BVD Test Order Form - vets only

(Refer to explanatory notes over page)

Submitting Veterinarian

Participant Code Ref. or Order No.

Practice Name

Veterinarian

Address

Phone

Email Address Print CLEARLY

Reports will be emailed; please specify if fax is preferred Fax No

Herd Owner Details

Participant / Herd Code Dairy Supplier No

Herd Owner's Name

Address

Phone

Order Details

Please select either BVD Monitor Package (see notes) or specific test - PCR or antibody ELISA

Custom Collected Bulk Milk or Dairy Company Sample(s)? custom dairy co

Sample ID (or Dairy Company & Supplier No) BVD Monitor Pack (dairy co samples only) or BVD PCR BVD AbELISA

(dairy co samples only)

(dairy co samples only)

If submitting multiple bulk milk samples, please list below or on separate sheet with details of tests required.

Does the shed have more than one vat? (if so, please specify) (see note over page)

Preferred Initial Sampling Date -

Preferred Late-Lactation Sample Date (Monitor Pack only) -

Notes or Special Instructions

Vaccinations

Please enter **R** if replacement calves or heifers only, **W** if whole herd, or **O** for other.

BVD brand: Neospora Lepto IBR Rota/Corona/Ecoli

The Veterinarian signing this form accepts and acknowledges that: (1) he or she has the authority on behalf of the herd owner to complete this form; and (2) Livestock improvement Corporation Limited will supply all products and services subject to its Conditions and Service Rules.

Where dairy company samples are required, the herd owner or a person with the authority of the herd owner signing this form authorises the dairy company or companies being supplied by the animals in question to provide bulk milk samples to Livestock Improvement Corporation Limited for the purposes of providing the services ordered pursuant to this form and to research other disease test products.

Herd Owner Sign & Date

Veterinarian Sign & Date



Bulk Milk BVD Test Order - NOTES



Please send completed forms to: **Genemark** **Private Bag 3016** **Hamilton 3240**
Or fax to: **0800 329 436** Phone: 0800 436 362 **animal_health@lic.co.nz**
Or courier chilled samples to: **Genemark** **140 Riverlea Road** **Hamilton 3216**

Invoicing and Signing of Order Form

Dairy company rules require that the herd owner approves the release of vat samples for testing. After consultation and owner's approval, the vet may sign the order form on behalf of herd owner. The submitting veterinary practice will be invoiced on completion of testing for individual samples. The bulk milk BVD Monitoring Pack will be invoiced once the test result of the **first** sample is reported.

Custom-collected bulk milk samples

Sample integrity is essential for good PCR results. Please submit fresh, chilled milk samples promptly.

Bulk Milk BVD Monitoring Pack (Dairy Company vat samples only)

The BVD Monitoring Pack includes **two BVD PCR** and **three Antibody ELISA** bulk milk tests, using three dairy company vat samples collected on three occasions during the supply season. LIC will schedule vat milk sample collection from the dairy company.

- 1st sample:** It should be scheduled near the end of calving and will be tested by **PCR** and **Ab ELISA**.
- 2nd sample:** It will automatically be scheduled for testing 2-3 weeks later by **PCR** and **Ab ELISA**.
- 3rd sample:** To be scheduled in late lactation, but at least a month before dry-off - for **Ab ELISA** only.

Dairy Company Vat Sampling

The herd owner (or representative) must **approve** the use of samples for testing and sign the order form. LIC has agreements with the major dairy companies for the use of their vat samples for BVD testing. Sample collection will be scheduled by LIC on the preferred dates specified in the order. However, actual testing dates may vary subject to availability of the vat milk samples from the dairy company.

Multiple Vats

Herds (LIC Participant Code) with multiple milking sheds using more than one dairy company supplier number, should request BVD testing for each supply number.

A few milking sheds make use of more than one vat which may be collected by multiple tankers. In such cases there may be a risk that part of the herd may not be represented in the vat sample. Please specify the number of vats in such cases.

Cautionary note

Bulk Milk BVD Antibody ELISA

The bulk milk BVD Antibody ELISA measures herd exposure to BVD virus. It is relatively unaffected if some cows are missing on the day of sampling, but aim to have at least 90% of cows in milk.

Herd BVD vaccination may raise antibody levels and affect interpretation of the bulk milk Ab ELISA.

Bulk Milk BVD PCR

The bulk milk BVD PCR is a highly sensitive test that detects virus in the milk. To ensure that the test is robust in large herds, LIC has validated the test on herds of up to 1000 cows (with a single PI). The PCR consistently gave positive results, even after diluting the vat samples more than 50 times.

However, if a PI cow is not producing milk or has not been milked into the vat on the day of sampling (eg after mastitis treatment), then the PCR will not be able to detect that PI.

Similarly the bulk milk PCR will not detect dry-stock PIs such as bulls or replacement heifers.

Vaccination details

This data is optional, but by indicating the vaccinations carried out in the herd, you will assist us to ensure that we can offer you robust disease test products into the future.

Bulk milk test results need careful veterinary interpretation as part of a herd biosecurity program.