

## Veterinary Bulk Milk BVD Monitor Pack Order Form

### Submitting Veterinarian

(Refer to explanatory notes over page)

Participant Code:     Reference: (if required)

Customer Name:

Veterinarian:

Address:

Email:

Phone:

Reports will be sent via email unless specified (options below):

Fax ☐ Fax number  Send a copy of the report to herd owner ☐

### Herd Owner Details

Participant/Herd Code:

Herd Owner's Name:

Address:

Phone:

### Order Details

\*Terms and conditions apply

Dairy Co. Custom Sample ID.

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

Dairy Company	Supply Number	Specify if the shed has multiple vats	BVD Monitor Pack	or	BVD PCR	BVD AbELISA
1. <input type="text"/>	2. <input type="text"/>	<input type="text"/>	<input type="text"/>	Dairy Company samples only	<input type="text"/>	<input type="text"/>
1. <input type="text"/>	2. <input type="text"/>	<input type="text"/>	<input type="text"/>	Dairy Company samples only	<input type="text"/>	<input type="text"/>

### BVD Vaccination

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

Brand:

### Sample Dates (Required)

DAY MONTH YEAR

Preferred 1st Sample Date (early lactation/before mating)

Preferred 3rd Sample Date (late lactation)

### Notes or Special Instructions

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
2. The Dairy company or companies stated in this form is/are authorised to provide bulk milk samples to Livestock Improvement Corporation for the purposes of providing the services ordered pursuant to this form and to research disease test products.
3. They have read and understood the terms and conditions expressed overleaf in relation to the Bulk Milk Monitor Pack order form
4. This agreement is subject to LIC's Conditions and Services rules, as amended from time to time. The current Conditions and Services rules are included.

Veterinarian Signed:

Print Name:

Date:

## Veterinary Bulk Milk BVD Monitor Pack Order Form

### Terms and Conditions

**Please send completed order forms to:** LIC, Private Bag 3016, Hamilton 3204, or Email: ahl@lic.co.nz, or Fax: 0800 329 436

**Courier chilled samples to:** LIC, 140 Riverlea Road, Hamilton 3216.

### Rollover Booking

As of next year, your Bulk Milk Monitor Pack samples will automatically be booked into LIC's system each year. You will receive an email when the order has been entered and a reminder 4 weeks before your booking date. The emails will contain instructions on how to amend or cancel your booking. If you do not amend or cancel your booking before your booking date, you will be deemed to have accepted this booking. Your samples will then be sent to LIC and tested. You will then receive your report and be invoiced as outlined below.

### Report Delivery

Test results will be sent by email unless otherwise specified on the order form and separate results will be sent for each vat sample. A copy of the test results will also be sent to the herd owner if indicated on the form.

### 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. Minimum 30mls of bulk milk sample required. Please courier in plastic sample container(s).

### 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.

### Turn Around Time

5 working days from when the samples are received in the lab.

**1st sample:** Scheduled near the end of calving and before mating and will be tested by PCR and Ab ELISA.

**2nd sample:** Automatically scheduled 2-3 weeks later and will be tested by PCR and Ab ELISA.

**3rd sample:** Scheduled in late lactation, but at least a month before dry-off - for Ab ELISA only.

### Single Bulk Milk Sample Testing

If you want a single PCR and/or Ab ELISA, please write required test on form; do not tick Monitor Pack.

### 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.**