

## Order for genetic testing Bovine Dilated Cardiomyopathy (BDCMP)

Bovine dilated cardiomyopathy (BDCMP) is inherited as a monogenic autosomal recessive trait in Holstein and Fleckvieh cattle. Clinical findings in BDCMP are a dilated jugular vein and edema of the brisket. Onset of the lethal disease is typically between 2 and 4 years of age. BDCMP symptoms are tachycardia (fast heart beating) with a so-called gallop rhythm. Breathing rhythm is accelerated; respiratory sounds are increased and affected animals display coughing. BDCMP affected cattle also frequently have diarrhea. In dairy cows the milk yield decreases and the animals have problems following the herd.

For genetic testing a 5-10 ml EDTA blood sample of the animal in question is required. The use of plastic tubes is recommended. Blood samples should be sent in a padded envelope without cooling to our laboratory. They have to arrive within 3 days of sample taking. Please send the samples together with this signed order form to:

**Institut für Genetik**  
**Stichwort „BDCMP“**  
**Bremgartenstrasse 109A**  
**CH-3001 Bern**

The direct genetic test costs 70.-- CHF (50.-- EUR). As we cannot run the complete procedure for single individual samples it may take 1-3 months until a result is obtained.

### **Animal to be analyzed (EDTA blood sample):**

Name: \_\_\_\_\_

Breed: \_\_\_\_\_ Sex (m/f): \_\_\_\_\_

Animal ID: \_\_\_\_\_

### **Owner of the animal**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone/e-mail: \_\_\_\_\_

### **Owner's declaration of consent**

I agree to genetic testing in the animals indicated above. I also agree that the test result and sample material may be used for further scientific research. Finally, I agree that the resulting data may be passed to the breeding organization where the herdbook is kept.

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Date

Signature

### **Confirmation of correct sampling and animal identity** **Veterinarian (stamp):**

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Date

Signature