

## Instructions for submitting blood samples using FTA Cards for DNA Testing

### **Instructions:**

The enclosed form is designed to accompany FTA card samples to MMI Genomics for DNA typing and to serve as a registration application for ET calves. This form is also used for permanent DNA identification, parent verification for animals already on file, homozygous status of coat color, and homozygous polled status.

The form has three copies. Please fill it out completely and send the original (top) copy of the form along with the sample to:

**MMI GENOMICS  
1756 PICASSO AVENUE  
DAVIS, CA 95618**

The second copy of the form should be sent to the NALF office: Please **do not send samples** to the NALF office.

**NORTH AMERICAN LIMOUSIN FOUNDATION  
7383 SOUTH ALTON WAY, SUITE 100  
CENTENNIAL, CO 80112**

The third copy of the form should be retained by the breeder.

### **Billing:**

Lab work will be billed from the North American Limousin Foundation through your member account. Please **do not send payment** with any samples to the lab.

Charges are as follows:

DNA using FTA card sample for parent verification and ID type - \$35.00 per sample

DNA using FTA card sample for coat color - \$34.00 per sample

DNA using FTA card sample for polled status - \$75.00 per sample

DNA using FTA card sample for F94L Myostatin - \$42.00 per sample

Discounts are available for bundling of color, polled and F94L tests. Check with NALF for these rates. There is an additional charge of \$7.00 for using an alternate sample type such as hair or semen. There is an additional charge of \$5.00 for retrieving a sample from the MMI archive.

### **Collection of Blood samples on FTA cards:**

1. Label the front of the FTA card with the herd prefix, tattoo number and year code of the animal to be tested.
2. Remove the needle from the plastic cover. Be sure to use a **new needle** for each animal.
3. Hold the top of the animal's ear. Use the needle to pierce the ear near the top where you are holding it.
4. Wait 5-10 seconds for the blood to form a drop. Discard the needle and ready the FTA card.
5. Holding the FTA card, press the pre-printed circle or the absorbent paper portion of the card to the blood on the top side of the ear. If more sample is needed, press to the underside of the ear. For a sufficient sample, the blood should be at least the size of a quarter.
6. Keep the cards separated from each other until the blood stains are dry, then fold up with id showing.
7. Fill out the DNA-Typing Request Form & Embryo Transplant Application for Entry form. Match the tattoo number on the FTA card with the corresponding tattoo on the paperwork. More forms are available on our website [www.nalf.org](http://www.nalf.org) if needed.
8. Repeat steps 1-7 for each animal.
9. Send the FTA card and form to MMI Genomics. Send NALF a copy of the form. Keep a copy of the form.