





# BIOGENETIC SERVICES, INC.

1321 6<sup>th</sup> Street  
Brookings, SD 57006  
info@biogeneticservices.com  
www.biogeneticservices.com

Phone: (605) 697-8501  
Fax: (605) 697-8507  
Toll Free: (800) 423-4163

## Collection and Application of Nostril Swab Cell Sample Instructions

1. Label an Indicating FTA Card with appropriate sample identification.
2. Remove one Foam Applicator Swab from the protective packaging according to instructions.
3. Holding the plastic handle of the swab, place the foam tip in the nostril and swirl and gently rub the side of the nostril for 15 to 20 seconds. If the nostril is extremely dry you may need to swab the other nostril also. Remove the swab from the nostril.
4. Lift the paper cover of the Indicating FTA Card to expose the pink sample area. Press the flat surface of the foam Applicator tip within the sample circle area. Without lifting the foam tip from the card, squeeze the tip using a side-to-side motion (90° in each direction) three times to completely saturate the sample area. Turn the Applicator over and repeat with the other side of the foam tip within the same circle. The sample area will turn white indicating the transfer of sample. If the sample area does not turn white repeat this step.
5. Discard the swab.
6. Allow the card to air dry at room temperature and do not heat assist during the drying period.
7. After drying approximately one hour at room temperature place the card into a coin envelope. (FTA Cards and coin envelopes are available from Biogenetic Services, Inc. at our cost).
8. The sample is now ready for transport, processing and long term storage at room temperature in a dry environment.

**Acceptable payment methods:** Payment should be included with samples shipped in the USA. Payment must be received before work commences, unless other arrangements have been formally agreed to. We accept VISA and MasterCard. Payment for all other contracts must be received by credit card, wire transfer (preferred), money order or certified check before work commences.

**Credit Card Payment:** (Circle type): MasterCard or VISA (you may call or fax in this information)

Name: \_\_\_\_\_ Card Number: \_\_\_\_\_

Expiration date: \_\_\_\_\_ Signature: \_\_\_\_\_

Address: \_\_\_\_\_ City, State, Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_

**Make check or money order payable to Biogenetic Services, Inc.**

Please contact BGS for shipping instructions for other types of samples (e.g. hair follicles, semen, and other tissues).



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## Sample Shipping Instructions

**DNA Genotyping and Protein** (e.g. paternity, pregnancy, BSE, coat color, freemartinism, meat product tracing, etc.)  
**Analysis of Cattle, Sheep, Goat, Swine, Horse, Bison, Elk etc.**

### Blood Samples: Blood tubes

1. Collect at least 2cc of whole blood (not serum) in an EDTA (purple top) blood tube. The purple top tube has an anticoagulant to keep the blood from clotting. The blood in the tube must be mixed thoroughly by inverting 5–10 times. Label tube.
2. Use a new needle/syringe for each animal. Contaminated/mixed blood samples may result in invalid typing.
3. Place protected blood samples, packing slip, ice/gel pack and payment into a padded container.

### Samples should not be frozen.

4. It is preferable to ship the samples at the beginning of the workweek to avoid sitting in transit over a weekend. If blood is collected late in the week it may be stored in a refrigerator and shipped as soon as possible. Second day shipping by U.S. Postal Service Priority Mail, Federal Express or UPS is appropriate.
5. Samples should be shipped within 7 days of collection. However, if longer storage is required, the DNA and the quality of the results will not be negatively affected.

### Blood Samples: TEGO™ Ear Blood Collection Kits

1. Insert TEGO™ adapter pin into ear tagging applicator. Kit is compatible with Allflex® Total Tagger and Allflex® Retract-O-Matic™ ear tagging applicator; requires use of adapter pin in kit.
2. Place the kit into the ear tagging applicator.
3. Position applicator with kit over the animal's ear targeting the vein – rich area, then clamp.
4. Release the ear tagging applicator, leaving the kit attached to the ear for passive blood collection (about 10-20 seconds).
5. Remove the kit from the ear by holding kit and pulling up.
6. Slide the blood collection card from the holder, and place it almost entirely into the sample envelope.
7. Label the exposed end of the card. After inserting the entire card into the envelope, place folded-over envelopes into a mailing envelope and mail to Biogenetic Services, Inc.
8. TEGO™ Ear Blood Collection Kits and current prices including shipping costs can be obtained directly from Biogenetic Services, Inc. by calling 1-605-693-8501.

### Blood Samples: FTA Blood Cards

1. Place a few drops of blood on the spot on the card. Air dry and label card.
2. Blood must be collected using a new syringe for each animal and placing a drop of blood on the blood card spot. BGS recommends that only single spot cards be used for blood samples to prevent accidental mixing or contamination of blood samples. Contaminated or mixed blood samples may result in invalid testing. We do not recommend using multiple spot blood cards for collecting blood from several animals on a single multispot card. The risk is too high for possible contamination or mixing. However, we will conduct the assays for customers who prefer to use multispot blood paper at their own risk.
3. Blood cards should not be placed directly on top of one another without a barrier (plastic sheet, paper, etc.) Each single blood card should be placed individually in the provided coin envelope to avoid card to card transfer of blood and possible contamination. Do not seal the coin envelope.
4. Blood cards can be mailed in an envelope or small container (e.g. box) via regular mail. Use overnight mail, if rapid turnaround is required.
5. Single blood cards and current prices including shipping costs can be obtained directly from Biogenetic Services, Inc. simply by calling us at 1-605-697-8500.

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