



# BIOGENETIC SERVICES, INC.

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## ANNOUNCEMENT

### **Genomic DNA/PCR Biomarker Technology for Increasing Milk Production in Cattle and Other Milk Producing Animals (Ungulates)**

This is to announce that Biogenetic Services, Inc. (BGS) recently obtained an exclusive license (Penn State Research Foundation) for a DNA/PCR Biomarker test that identifies low to high milk producers in dairy cattle and therefore will be useful to dairymen who want to increase milk production of their dairies.

Beginning February 15, 2017, BGS will offer this test to dairy producers in the United States. Biogenetic Services, Inc. has established an adult cow culling program to identify levels of milk production or potential milk production for individual dairy cows. The PCR biomarker technology will be used to determine whether specific biomarkers are present in an individual cow as well as the level of expression in a cow. This initial adult culling program will entail one or more biomarker screens during the life of the cow. Milk production is known to decrease as the intensity of expression of the biomarkers change over time.

The second program that we are beginning to develop will focus on calf culling. This will entail one to several culling screens. The calves may be tested any time after birth.

The third program currently being developed by BGS will utilize biomarker variation as a management tool to identify environmental factors associated with genomic biomarkers, as well as quality traits and milk production or potential milk production. Thus this third program will utilize the biomarker information obtained under the first and second programs to analyze epigenetic variation between and among environmental factors and the biomarker information which will enable the development of improved management programs.

You may contact our office for volume discount price quotes, sampling or sample shipment information. We plan to have our packing slip and sampling and shipping information on our website by March 6, 2017.

(3/6/2017)