



COLLEGE OF VETERINARY MEDICINE

Veterinary Pathobiology



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Automated DNA Sequencing Request

Date: \_\_\_\_\_ Department: \_\_\_\_\_
Requested By: \_\_\_\_\_ Telephone: \_\_\_\_\_
Principal Investigator: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_
P.O. # \_\_\_\_\_ Invoice # \_\_\_\_\_

DNA SEQUENCING -See website for volume discount on BigDye XTerminator sequencing
(PLEASE NOTE- The quality and quantity of nucleotide sequence is determined by the template clean-up, quantitation and reaction parameters. Please provide sample information on the back of this form. Samples will be kept for 10 business days then discarded.)

SEQUENCING - We run sequencing reaction.
(Plasmid DNA 400-500ng, PCR products 100-150ng) \_\_\_\_\_ RXNs @ \$11.00= \_\_\_\_\_

READY-TO-RUN - Client-performed sequencing reaction.
(Note - remove excess dNTPs and dry sample thoroughly) \_\_\_\_\_ RXNs @ \$2.50= \_\_\_\_\_

CONSUMABLES

DYE TERMINATOR PRE-MIX-see website for volume discount \_\_\_\_\_ KITs @ \$95.00= \_\_\_\_\_
10 Reaction Kit (80ul)

Internal customer \_\_\_\_\_ KITs @ \$85.00= \_\_\_\_\_

SPIN COLUMNS

Dye Terminator Removal System, 10 Columns/Pkg. \_\_\_\_\_ PKGs @ \$16.00= \_\_\_\_\_

Subtotal= \_\_\_\_\_

Make checks payable to:

Texas AgriLife Research
Veterinary Pathobiology Department
VMS Building, Room 119
College Station, Texas 77843-4467

Total Charges \$ \_\_\_\_\_

## Sequencing Sample Information

Please fill out **ALL** columns using concentration units as specified – see recommended protocol below for template and primer concentrations required to perform your reactions

Sample Name	Template Name Type Conc. (ng/μl) (PCR Size)	Primer Name, Conc, Tm

### Recommended Protocol for 10 μL Sequencing Reaction

Reagent	Working Concentration	Volume
Big Dye		<b>4.0 μl</b> (or use 2.0 μL Big Dye + 2.0 μL ½ Big Dye)
Template Single-Stranded DNA Double-Stranded DNA PCR Product DNA	50-100ng/μl 400-500ng/μl 10ng/ul per 100bp	<b>1.0 μL</b> (adjust up or down if template varies from listed optimal concentrations)
Primer	5-10 μM	<b>1.0 μL</b> (adjust up or down if primer varies from listed optimal concentration)
Deionized Water (may substitute ABI sequencing Buffer)		q.s.
<b>Total Reaction Volume</b>		<b>10μl</b>