



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
10 Reaction Kit (80ul) KITs @ \$80.00=

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)<br>(PCR Size) | Primer Name, Conc, Tm |
|-------------|--|-----------------------|
|             |  |                       |

### Recommended Protocol for 10 μL Sequencing Reaction

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