

# 3730 Request FormDNA Sequencing Facility

***Robarts Research Institute***

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*Scientific Director*

*Dr. Rob Hegele*

### Technical Team

*Jenn Biltcliffe*

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*Date/Time Receive*

|  |  |  |  |
| --- | --- | --- | --- |
| Principal Investigator |  | Account # |  |
| Person Requesting |  | Dept./Rm# |  |
| Phone # |  | Institute |  |
| *e-mail address* |  | | |

##### Custom Primers –Please add 5ul of 2.0 uM Standard Primers

#### # Primer Primer Size Tm Provided by the Sequencing Facility

|  |  |  |  |
| --- | --- | --- | --- |
| 1 |  | mer | oC |
| 2 |  | mer | oC |
| 3 |  | mer | oC |
| 4 |  | mer | oC |
| 5 |  | mer | oC |

#### M13F, M13R, Sp6, T7, T7 Terminator, T3

*pEGFP-N, pEGFP-C, pCDNA3.1reverse/BGH,*

*DSRed1-N, DSRed1-C*

### Template

### Primer

### Template Type

### Concentration

### Chemistry

### PCR product or Vector+insert size

### Printout Requested

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | ng/ul |  | bp |  |
|  |  |  | ng/ul |  | bp |  |
|  |  |  | ng/ul |  | bp |  |
|  |  |  | ng/ul |  | bp |  |
|  |  |  | ng/ul |  | bp |  |
|  |  |  | ng/ul |  | bp |  |
|  |  |  | ng/ul |  | bp |  |
|  |  |  | ng/ul |  | bp |  |
|  |  |  | ng/ul |  | bp |  |
|  |  |  | ng/ul |  | bp |  |
|  |  |  | ng/ul |  | bp |  |
|  |  |  | ng/ul |  | bp |  |
|  |  |  | ng/ul |  | bp |  |
|  |  |  | ng/ul |  | bp |  |
|  |  |  | ng/ul |  | bp |  |
|  |  |  | ng/ul |  | bp |  |

#### Total # Samples

#### Template Type

Plasmid(ds) PCR(ds) BAC Phage

Plasmid(ss) PCR(ss) Cosmid

Chemistry and Adjuvants

dGTP Betaine DMSO

|  |  |
| --- | --- |
| 10ul of template at the indicated concentration  For custom primers add 5.0 ul of 2.0 uM primer | |
| PCR product:100-200 bp | 1-3 ng/ul |
| PCR product:200-500 bp | 3-10 ng/ul |
| PCR product:500-1000 bp | 5-20 ng/ul |
| PCR product:1000-2000 bp | 10-30 ng/ul |
| PCR product:> 2000 bp | 40-100 ng/ul |
| Plasmid (SS) | 20-50 ng/ul |
| Plasmid (DS) | 50-150 ng/ul |
| BAC, Phage, Cosmid (5.0 uM Primer) | 400-1000 ng/ul |
|  |  |

**Consultations are available for difficult templates (templates that have secondary structure, are GC rich, have GT or AT rich regions or long repeat regions). dGTP Chemistry is recommended for sequences which are known to be G rich.**

Office use only: Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Run: \_\_\_\_\_\_\_\_\_\_\_\_\_