

Samples must be received by **9:30am** for inclusion on next available space.

# REQUISITION FOR DNA SEQUENCING

UMDNJ-RWJMS DNA CORE FACILITY

Room RA 142, 663 Hoes Lane, Piscataway, NJ 08854

Phone: (732) 235-4934 Fax: (732) 235-3488 E-mail: dnalbweb@umdnj.edu

Requestor & P.I.: \_\_\_\_\_ Date Requested: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Billing Address: \_\_\_\_\_

Phone: \_\_\_\_\_ email: \_\_\_\_\_

Affiliations (check all that apply): UMDNJ \_\_\_ CINJ \_\_\_ RU \_\_\_

P.O.# \_\_\_\_\_ (required for non-UMDNJ labs)

Print waveforms? NO: \_\_\_ YES: \_\_\_ (Please note, there is an additional \$2.00 fee per waveform)

SAMPLE INFO: Prep. Method \_\_\_\_\_ DNA TYPE: d.s. \_\_\_ s.s. \_\_\_ PCR \_\_\_ SIZE (Kb) \_\_\_\_\_

Lane	#	Sample Name	Conc /ul	Vol	Primer name	Conc pmols/ul	Vol	H2O	Total	Price	Comments
	1								6ul		
	2								6ul		
	3								6ul		
	4								6ul		
	5								6ul		
	6								6ul		
	7								6ul		
	8								6ul		
	9								6ul		
	10								6ul		
	11								6ul		
	12								6ul		
	13								6ul		
	14								6ul		
	15								6ul		

Quantities per reaction: SS DNA ~50 ng PCR product (up to 600 bp) 30-70 ng  
 DS DNA 200-300 ng (for plasmids < 10 kb) BAC DNA 1600 ng

- Good results depend on careful quantitation by agarose gel electrophoresis in parallel with appropriate standards.
- Qiagen and Wizard minipreps give good results, alkaline lysis is less reproducible.
- Removal of PCR primers is important; centricon and qiagen work.
- DNA for one rxn must be in no more than 4.4 ul.
- Template can be in water, TE, or TE/10 [10 mM TrisHC1, 0.1mM NaEDTA].
- Use **1.6 pmoles** of primer per reaction. (**BAC DNA: 50 pmoles primer per rxn.**)
- Total reaction volume must be **6 ul**.