

# MICROCHEMICAL AND PROTEOMICS FACILITY

## EMORY UNIVERSITY

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Please see our web page for additional information and online ordering: [www.emory.edu/WHSC/MED/RESEARCH/MCF/](http://www.emory.edu/WHSC/MED/RESEARCH/MCF/)

**FAX (Main): (404) 778-4281**

**FAX (Alt.): (404) 778-5016**

### DNA REQUEST FORM

Contact Name: _____	Date: _____
Univ./Dept.: _____	Phone: _____
Address 1: _____	FAX: _____
Address 2: _____	<b>Account/PO #:</b> _____
City, State, Zip: _____	E-mail address: _____
PI Name: _____	

**Sequence Name** (limit 8 characters): \_\_\_\_\_

**Sequence:** (5' → 3')

	3		6		9		12		15		18
5'	/		/		/		/		/		/
	21		24		27		30		33		36
	/		/		/		/		/		/
	39		42		45		48		51		54
	/		/		/		/		/		/
	57		60		63		66		69		72
	/		/		/		/		/		/
	75		78		81		84		87		90
	/		/		/		/		/		/ 3'

**Synthesis Scale:**

**Special Instructions:**

\_\_\_ 5' Modification \_\_\_\_\_  
 \_\_\_ 3' Modification \_\_\_\_\_  
 \_\_\_ Other \_\_\_\_\_  
 \_\_\_ RP-HPLC Purification \_\_\_\_\_

**Number of bases in oligo:**

A's = \_\_\_\_\_ G's = \_\_\_\_\_  
 C's = \_\_\_\_\_ T's = \_\_\_\_\_  
 I's = \_\_\_\_\_  
 Others = \_\_\_\_\_

**FOR MCF USE ONLY - Do Not Write Below This Line**

Cost = \$ \_\_\_\_\_ X \_\_\_\_\_ = \$ \_\_\_\_\_ + \$ \_\_\_\_\_ + \$ \_\_\_\_\_ = \$ \_\_\_\_\_  
           price/base           total bases           subtotal           extra charge           extra charge           TOTAL COST

**PRODUCT INFORMATION**

\_\_\_\_\_ X \_\_\_\_\_ = \_\_\_\_\_      \_\_\_\_\_ / 30 = \_\_\_\_\_ μg / μl      \_\_\_\_\_ / 33 = \_\_\_\_\_ OD / μl  
 Absorb<sub>260</sub>    dilution factor    OD                                    OD                                    μg / μl

**Total Volume** = \_\_\_\_\_ μl      **Total Mass** = \_\_\_\_\_ μg      **Total OD** = \_\_\_\_\_

1.0 OD<sub>260</sub> unit = 33 μg synthetic DNA      MW=[(A's x 312.2) + (G's x 328.2) + (C's x 288.2) + (T's x 303.2) - (61.0)]      for S-oligo add 16 x (no. of bases - 1)  
 $\frac{\text{Total mass } (\mu\text{g})}{\text{MW of oligo}} = \mu\text{mols of oligo}$        $\frac{\mu\text{mols of oligo}}{\text{vol. } (\mu\text{l})} = \text{Molarity}$       Molarity (1x10<sup>6</sup>) = μM concentration of oligo