



## Microarray Core Order Form<sup>1</sup>

Principal Investigator: \_\_\_\_\_ Submitted By: \_\_\_\_\_

Contact E-mail Address: \_\_\_\_\_ Phone Number: \_\_\_\_\_

PO/Account Number: \_\_\_\_\_ Date Submitted: \_\_\_\_\_

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

Research Institution: \_\_\_\_\_ Department: \_\_\_\_\_

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

### Sample Preparation Instructions

- The recommended purification for total RNA isolation is the Trizol procedure followed by purification using the Rneasy Kit from Qiagen. The 260/280 ratio for total RNA should be 1.8– 2.0.
- Samples submitted for target preparation and hybridization must consist of 10ug of total RNA in 10ul nuclease-free H<sub>2</sub>O (ethanol precipitates will not be accepted) . Confirmation of total RNA quality and quantity will be conducted by a mandatory Agilent BioAnalyzer analysis.
- Target samples submitted for hybridization only must be supplied at 20ug of fragmented cRNA in 40 ul of Affymetrix fragmentation buffer. Confirmation of target quality will be confirmed by a mandatory Agilent BioAnalyzer analysis.

Sample Name <sup>2</sup>	Sample Origin	Species	Total RNA Concentration ug/ul	OD 260/280 Ratio	Indicate Baseline Control for Comparison <sup>3</sup>	Affymetrix GeneChip/s Required (Affy. Code) i.e. U74A; U34B; U95C <sup>4</sup>
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						

- 1 - Contact the Biotechnology Support Facility to coordinate your array run.
- 2 - Label top of sample tube with the same sample name present on the order form (six characters maximum). Supply samples in 1.5ml tubes.
- 3 - For comparison analysis please indicate the reference sample that will be used as the baseline control.
- 4 - Please refer to the Affymetrix web site at [www.affymetrix.com](http://www.affymetrix.com) for available GeneChip arrays or contact the Biotech Support Facility for assistance.

### Core Use Only

GeneChips: \_\_\_\_\_ Target Preparations: \_\_\_\_\_ Hybridization Only: \_\_\_\_\_  
: \_\_\_\_\_ Agilent RNA Chips: \_\_\_\_\_ Data Delivery Date: \_\_\_\_\_