

# Microarray Core Facility

## Sample quality control and results form

Investigator: \_\_\_\_\_ Date Submitted \_\_\_\_\_  
Lab/PI: \_\_\_\_\_ Sample Type: \_\_\_\_\_  
Sample ID: \_\_\_\_\_

### RNA Preparation

1) Total RNA data

Spec conc: \_\_\_\_\_ 260/280: \_\_\_\_\_  
Agilent Bioanalyzer concentration: \_\_\_\_\_ Quality: \_\_\_\_\_

2) cDNA synthesis and clean-up

Date: \_\_\_\_\_ Vol RNA used: \_\_\_\_\_ RNA used (ug)<sup>IBI</sup>: \_\_\_\_\_  
Kit Supplier/ Lot #: \_\_\_\_\_ T7dt supplier/lot: \_\_\_\_\_  
Phase Lok Gel Lot #: \_\_\_\_\_ Resuspension Vol. (ul)<sup>IBI</sup>: \_\_\_\_\_

3) RNA InVitro transcription

Date: \_\_\_\_\_ Kit/ Method: \_\_\_\_\_ Kit lot: \_\_\_\_\_ Inc. Cond.: \_\_\_\_\_  
Volume used in reaction (ul)<sup>ICI</sup>: \_\_\_\_\_

4) cRNA clean-up and quantitation

Date: \_\_\_\_\_ Kit/method: \_\_\_\_\_ Kit lot#: \_\_\_\_\_ Final resus.vol: \_\_\_\_\_  
Concentration: \_\_\_\_\_ Total RNA (ug)<sup>IAI</sup>: \_\_\_\_\_ 260/280 ratio: \_\_\_\_\_  
**Final Adj RNA concentration** (section 2.1.21 affy manual): \_\_\_\_\_ **Formula= A-[B(C/D)]**

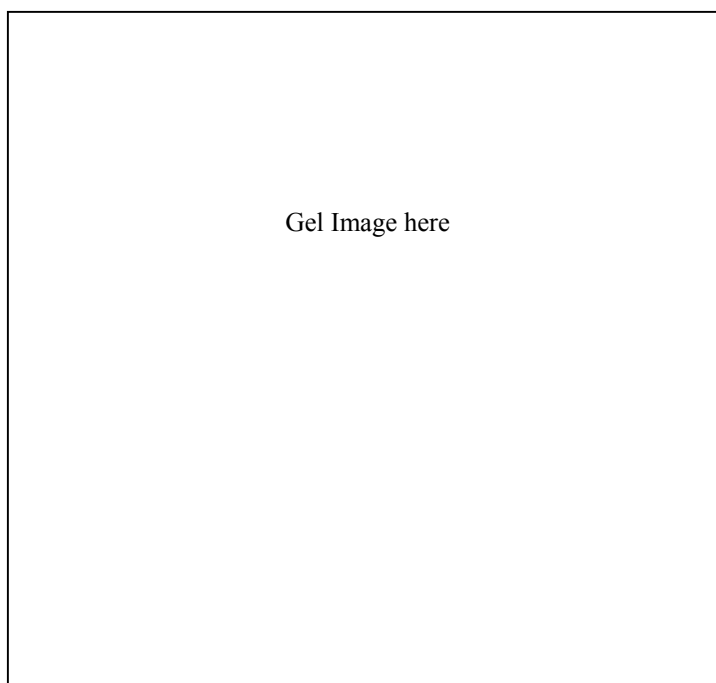
Gel running conditions: \_\_\_\_\_

5) cRNA Fragmentation ( see gel image)

Date: \_\_\_\_\_  
Amt Fragmented: \_\_\_\_\_  
Inc. Conditions: \_\_\_\_\_

6) cRNA Hybridization Cocktail mix data:

Date: \_\_\_\_\_  
Amt cRNA used: \_\_\_\_\_  
Hybrid kit used: \_\_\_\_\_  
Kit lot#: \_\_\_\_\_  
Herring Sperm lot: \_\_\_\_\_  
BSA lot: \_\_\_\_\_



## Hybridization and Scanning of test chip

### 7) Hybridization

Date: \_\_\_\_\_ Chip type: \_\_\_\_\_ Chip lot: \_\_\_\_\_ Inc. Time: \_\_\_\_\_

### 8) Fluorescent Staining:

Date: \_\_\_\_\_ BSA(company+ lot #): \_\_\_\_\_ SAPE (company+ lot #): \_\_\_\_\_

Goat IgG(company+ lot #): \_\_\_\_\_ Biotin anti-PE Ab(company+ lot #): \_\_\_\_\_

Fluidics Protocol: \_\_\_\_\_

9) Scanning of Array:      Date: \_\_\_\_\_ Protocol: \_\_\_\_\_ Result: \_\_\_\_\_

## Hybridization and Scanning of experimental chip

### 10) Hybridization

Date: \_\_\_\_\_ Chip type: \_\_\_\_\_ Chip lot: \_\_\_\_\_ Inc. Time: \_\_\_\_\_

### 11) Fluorescent Staining:

Date: \_\_\_\_\_ BSA(company+ lot #): \_\_\_\_\_ SAPE (company+ lot #): \_\_\_\_\_

Goat IgG(company+ lot #): \_\_\_\_\_ Biotin anti-PE Ab(company+ lot #): \_\_\_\_\_

Fluidics Protocol: \_\_\_\_\_

### 12) Scanning of Array:

Date: \_\_\_\_\_ Protocol: \_\_\_\_\_ Result: \_\_\_\_\_ (See Attached Scan Report)