



## Microarray Hybridization Request Form

Client Name	<b>Lab Use Only:</b> <b>Rec'd: By:</b> _____ <b>Date Received:</b> _____  <b>Delivered By:</b> _____  <b>Printing completed:</b> _____ <b>Journal entry date:</b> _____
Lab Position	
Department	
Phone	
Email	
Supervisor	

**Supervisor Signature** (required): \_\_\_\_\_

**Billing Information** *GL Coding (26 digits)*

Fund (3)	Unit (6)	Grant (6)	Project (6)	Object (5)
				64251

### RNA Extract Description:

RNA extract	Source of RNA	RNA Extract Name	OD 260/280	RNA Concentration (ug/μl)
1				
2				
3				
4				
5				
6				
7				
8				

### Hybridization Description:

Hybridization No.	Hybridization Group Name	RNA Extract (No.) to be labeled with Alexa 555 (cy3)	RNA Extract (No.) to be labeled with Alexa 647 (cy5)	Dye flip? Y/N
1				
2				
3				
4				

**Microarray slides:** Supplier \_\_\_\_\_ Type: \_\_\_\_\_ Date of printing : \_\_\_\_\_

**Special Requirements** \_\_\_\_\_

**Billing Summary** \_\_\_\_\_



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Genomics  
Facility

Science Complex Rm 1401, University of Guelph  
488 Gordon Street  
Guelph, Ontario, Canada N1G 2W1  
Email: [genomics@uoguelph.ca](mailto:genomics@uoguelph.ca)  
Phone: 519-824-4120 ext. 58357  
Fax: 519-767-1656

## Genomics Facility RNA Sample Submission Guidelines

### RNA Sample Requirements

The RNA used in microarray experiments must be extremely clean in order to get high quality results.

1. The minimum amount of RNA without sample amplification: is **3-4µg** for mRNA or **15µg** of total RNA in no more than **15ul** per experiment. We will also need 1 µl extra for internal quality control of the RNA.
2. It is possible to use less than 10 ug of total RNA to start the cDNA probe synthesis. If we start a reaction with less than 10 ug and do not obtain enough cDNA to use as a probe, there will still be a charge for the labeling procedure.
3. The RNA must be resuspended in RNase free water and an agarose gel picture should also be provided.
4. The quality of the RNA will be checked at our facility upon reception of the samples using Agilent Bioanalyzer. The charge for RNA quality assessment using BioAnalyzer is \$36/12 samples. If low quality is suspected, the procedure will be stopped.

### Microarray slides requirements

It is recommended to store microarray slides in Vacuum container. If the slides are not stored properly or are more than 6 months older, we are not responsible for poor hybridization result such as the low signal intensity and high background etc.

### Data processing

You will receive following results:

- Quality report of the RNA samples provided analyzed on the Agilent Bioanalyzer
- Copy of TIFF files of the microarray images
- Data file containing raw array (can be opened excel format)
- The data can be sent on a CDROM or the data can be put on the LAN