

# ACRF Biomolecular Resource Facility

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### Microarray Request Form

The BRF microarray service includes total RNA purification, cDNA synthesis, biotin labeling, chip hybridization, washing and staining, chip scanning and preliminary data analysis.

#### Summary for Submission of Microarray Projects:

1. Complete Table 1 **and** Table 2
2. Complete **either** Table 3a, 3b or 3c.
3. Attach gel pictures.

Use the contact details given at the top of this form.

**Table 1:**

Name:	Date:
Division/Department:	School/Institution:
Phone:	Email:
ANU Account Code:	Authorisation (PI or Lab Head) Name and Signature:
<b>Office Use Only:</b>	
Tracking No.:	
BRF Account Code: R42570 06	
Total \$	

**Table 2: Service Required.** Please tick the service you require for each sample

Sample Name	Full Service	Partial Service I	Partial Service II	Additional Service			Cost
				1	2	3	
1.							
2.							
3.							
4.							
5.							
6.							
Test 3 chip from BRF	Number:						
Total Cost:							
Comments:							

**Table 3a: for FULL SERVICE SAMPLES, please provide the following information**

Sample Name	Information Provided			Complete (yes/no)
	RNA picture ✓	$A_{260nm}/A_{280nm}$	Concentration ( $\mu\text{g}/\mu\text{l}$ )	
1.				
2.				
3.				
4.				
5.				
6.				

**Table 3b: for PARTIAL SERVICE I SAMPLES, please provide the following information**

Sample Name	Information Provided					Complete (yes/no)
	RNA picture ✓	$A_{260nm}/A_{280nm}$	Concentration ( $\mu\text{g}/\mu\text{l}$ )	RNA ( $\mu\text{g}$ ) transcribed	PCR picture ✓	
1.						
2.						
3.						
4.						
5.						
6.						

**Table 3c: for PARTIAL SERVICE II SAMPLES, please provide the following information**

Sample Name	Information Provided					Complete (yes/no)
	cRNA picture ✓	Fragmented cRNA picture ✓	cRNA $A_{260nm}/A_{280nm}$	cRNA concentration ( $\mu\text{g}$ )	Total RNA concentration ( $\mu\text{g}/\mu\text{l}$ )	
1.						
2.						
3.						
4.						
5.						
6.						

**Information required according to service:**

Service	Information required by BRF
Full service	Total RNA gel picture, concentration and ratio of $A_{260nm}/A_{280nm}$
Partial service I	1. Total RNA gel picture, concentration and ratio of $A_{260nm}/A_{280nm}$
	2. The amount of total RNA used in cDNA synthesis
	3. Using double-stranded DNA as template, PCR amplify at least one housekeeping gene (eg, GAPDH and/or Beta-actin gene for mouse). Attach gel picture of PCR product, sequence information for genes and primers and conditions for PCR reactions. (This information will enable us to repeat PCR if necessary).
Partial service II	1. cRNA gel picture and fragmented cRNA gel picture
	2. Concentration of cRNA and ratio of $A_{260nm}/A_{280nm}$
	3. The amount of total RNA left in the cRNA sample
Please note: if the information required is not provided the BRF will proceed with the service but accepts no responsibility for samples that do not work.	