



RNA Analysis with Bioanalyzer

TCAG Microarray Facility of The Hospital for Sick Children (HSC) is pleased to announce the services to provide RNA analysis with Bioanalyzer. The Agilent 2100 bioanalyzer is a unique analysis system for the analysis of DNA, RNA, proteins and cells on one platform. It uses **RNA 6000 Nano LabChip** or **RNA 6000 Pico LabChip** and provides sensitive, fast and high quality tool for analysis of RNA quality and quantity in total RNA and mRNA samples.

Requirement of RNA sample

- RNA sample should be in Rnase-free and DNase-free H₂O and delivered to us in dry ice:

RNA 6000 Nano LabChip Kit analytical specifications

| | Total RNA | | mRNA | |
|-----------------------|---------------|--------|---------------|--------|
| | Concentration | Volume | Concentration | Volume |
| Qualitative analysis | 5-500 ng/μl | >2 ul | 25-250 ng/μl | >2 ul |
| Quantitative analysis | 25-500 ng/μl | >2 ul | 25-250 ng/μl | >2 ul |

RNA 6000 Pico LabChip Kit analytical specifications

| | Total RNA | | mRNA | |
|----------------------|----------------|--------|----------------|--------|
| | Total RNA | Volume | mRNA | Volume |
| Qualitative analysis | 200-5000 pg/μl | >2 ul | 500-5000 pg/μl | >2 ul |

Results delivery option:

- Results (in cld file) are available to view with the facility computer workstation, or customers' own computer*.
- A printed copy of the results can also be sent via FAX or email.
- Bioanalyzer data cld file is also available by email when requested.

* Customer needs to download the free view software, Agilent's **2100 Expert (Demo version)**, from the company's web site,

<http://www.chem.agilent.com/Scripts/generic.asp?IPage=2721&indcol=N&prodcol=Y>

Fees:

It will be \$10 for each RNA sample. Each RNA LabChip can hold 12 samples. A full run of one LabChip will be \$120 when urgent analysis is requested.

For more information or inquiry, please contact the TCAG Microarray Facility at The Hospital for Sick Children, Toronto, Ontario, Canada

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