University of Pennsylvania

**Penn Genomic Analysis Core - DNA Sequencing Laboratory**

#### 502-503 Stellar-Chance Bldg.

**422 Curie Blvd., Philadelphia, PA 19104-6100**

Phone: 215-573-7407 Fax: 215-573-9327

E-mail:dnaseq@mail.med.upenn.edu https://www.med.upenn.edu/genetics/dnaseq FTP: dnaseq.med.upenn.edu

***DNA and RNA Analysis on Agilent 2100 BioAnalyzer***

**PI \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Fund No. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Contact Person (full name) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Phone\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**E-Mail (Required) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date** \_\_\_\_\_\_\_\_\_\_

**Available Assays:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assay** | **Size range** | **Concentration (PCR)** |  **Concentration (Lib)** | **# Samples** |
| DNA 1000 | 25-1000 bp | 0.1-50 ng/µl |  | 12 |
| DNA HS | 50-7000 bp | 5-500 pg/µl | 0.1-10 ng/µl | 11 |
| RNA 6000 Nano | NA | 5-500 ng/µl (total RNA) | 25-500 ng/µl (mRNA) | 12 |  |
| RNA 6000 Pico | NA | 0.050-5 ng/µl (total RNA) | 0.25-5 ng µl (mRNA) | 11 |

***Possibility of running other assays on Agilent 2100 should be discussed directly with Facility staff.***

**Select Assay Type: 🞏 DNA 1000 🞏 High Sensitivity DNA 🞏 RNA 6000 Nano 🞏 RNA 6000 Pico**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sample Name | Sample Type \* | Size Range (DNA) | Concentration \*\* | Total mRNA (RNA) |
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|  |  |  |  |  |

\* Please specify any relevant information such as NGS library, PCR amplicon, source organism (RNA), etc.

\*\* Please ensure that sample concentrations are within the range specified for the selected assay.