

Agilent 2100 Bioanalyzer



This instrument performs electrophoresis of RNA, DNA or protein on a miniaturized scale. Analysis of RNA can be completed in 30 minutes using just 1 μL of an RNA sample (as little as 200 pg RNA). The software generates an RNA Integrity Number (RIN), a quantitation estimate, and will calculate ribosomal ratios of the total RNA sample. The instrument also has the capability to size and quantitate PCR and RT-PCR products as well as analyze proteins from cell lysates, column fractions, purified proteins or antibodies with superior resolution and linear dynamic range. For example, the presence of a desired protein can be monitored during each purification step to determine yield and purity.

This instrument was purchased through the SEBS and NJAES Intramural Research Infrastructure Awards program in 2007 with matching funds from the Biotech Center and the Department of Animal Sciences.

Contact: Wendie Cohick cohick@aesop.rutgers.edu, 732-932-8165 ext. 105