



University of Wisconsin - Madison

Biotechnology Center

425 Henry Mall, Madison, WI 53706

Agilent 2100 Bioanalyzer Training

Instrument trainings are scheduled for Fridays to minimize disruption of GEC services. Training slots available are 10-Noon and 1-3PM. Agilent Bioanalyzer is located in the Biotechnology Center at 425 Henry Mall in room 2302.

Training is billed at \$115/hour plus consumables utilized in the training. Agilent trainings typically take 1.5 – 2 hours. Up to four individuals from one lab may be trained at one time.

Agilent RNA NanoChip \$56, up to 12 samples, (includes all consumables and reagents necessary)

Agilent RNA PicoChip \$58, up to 11 samples, (includes all consumables and reagents necessary)

Agilent DNA1000 Chip \$55, up to 12 samples, (includes all consumables and reagents necessary)

Agilent HS DNA Chip \$85, up to 11 samples, (includes all consumables and reagents necessary)

Users should bring their own RNA/DNA samples for training.

RNA concentrations 200pg/ul to 500ng/ul

NanoChip working range 50-500 ng/ul

Between 5ng/ul and 50 ng/ul, dilute to 5ng/uL with RNase Free water and run on PicoChip. For samples between 200 pg/ul and 5000 pg/ul, run undiluted on PicoChip.

DNA samples should be 5 ng/uL to 50 ng/uL (fragment size < 1000 bp) for DNA1000 chips or <5 ng/uL (or for fragments > 1000 bp) for HS DNA chips. If you are looking for fragments >1000 bp, please dilute to <5 ng/uL.

In an effort to save cost, please have your RNA/DNA samples diluted to the appropriate range prior to the start of training.

Upon satisfactory completion of training, all trainees will be given access to the Room 2302 Google Calendar to reserve the instrumentation for usage. We recommend reserving one hour per Agilent chip. Independent users must fill out the “Instrument Usage Log” upon completion of each usage. Users are only billed for the product used. If product or consumables are low please notify GEC staff.

Agilent user guides for reference may be found [here](#).

Prior to training please e-mail gecinfo@biotech.wisc.edu the grant number you would like your service usage billed to.

8/19/22

