

DNA Sequencing Lab

Equipment / Technology:

The DNA Sequencing Lab uses the capillary electrophoresis technology developed by Applied Biosystems (ABI) to resolve fluorescently-labeled DNA on the 16-capillary ABI 3130xl Gene Analyzer. The lab offers both DNA sequencing and fragment (microsatellite) analysis to research users. Options include enumeration of polymorphisms (SNPs) in patient samples, a service which complements SNP discovery protocols offered in the Human Genotyping Lab.

Additional Instrumentation: Applied Biosystems Model 9600 and Veriti thermocyclers, Savant Speed Vac 120 vacuum concentrator

Software: Applied Biosystems Suite – (Sequence Analysis 5.2, GeneMapper 4.0, SeqScape 2.5)

Service Charges:

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| DNA Sequencing: (reaction and electrophoresis) | \$5/sequencing reaction (MSM), \$6/reaction (non-MSM) |
| Large-user sequencing discount (full 96-well plate) | \$4/reaction (MSM) \$5/reaction (non-MSM) |
| DNA Fragment Analysis: (electrophoresis only) | \$1.50 per sample (MSM) \$2 per sample (non-MSM) |



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