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Advanced Analysis Centre

Genomics Facility

The AAC Genomics Facility offers flexible nucleic acid sequencing, fragment analysis and gene expression analysis services with a primary focus on research support. Consultation services for experimental design and analysis workflows are also available. Most services are available in a convenient full-service option and cost-effective self-service option.

Available instrumentation includes:

Sanger Sequencing (ABI 3730 DNA Analyzer)

Illumina NGS (MiSeq, NovaSeq6000)

Oxford Nanopore NGS (MinION)

qPCR (Automated ABI QuantStudio7Pro)

ddPCR (BioRad QX200 w/ Automated Droplet Generator)

Automated Liquid Handling (Beckman Coulter BioMek i7 Hybrid)

Sample QC (Nandrop 8000, Qubit Flex, TapeStation3150)

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| **Highlighted Service and Fees (April 2023):** | |  |  |
| **SERVICE** | **INTERNAL** | **ACADEMIA** | **COMMERCIAL** |
| **Sanger Sequencing** |  |  |  |
| Single reaction | $9 | $9 | $16 |
| DIY Cycle Sequencing  - 96-well plate | $150 | $200 | $300 |
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| **Fragment Analysis** | $100 per plate | $150 per plate | $250 per plate |
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| **Illumina Library Prep** |  |  |  |
| Amplicon library preparation | $65 | $75 | $100 |
| 16S or ITS Profiling | $65 | $75 | $100 |
| Illumina DNA library preparation (Nextera) | $120 | $145 | $175 |
| RNA-Seq Library Prep (poly-A capture) | $100 | Contact Facility | Contact Facility |
| RNA-Seq Library Prep (Ribodepletion) | $150 | Contact Facility | Contact Facility |
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| **NovaSeq** |  |  |  |
| NovaSeq v1.5 PE100bp (50M reads) | $115 | Contact Facility | Contact Facility |
| MiSeq v3 PE300bp | $2850 per run | $3200 per run | Contact facility |
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| **Gene Expression** |  |  |  |
| qPCR (Full service) | $2.50 per reaction | Contact facility | Contact facility |
| ddPCR (Full Service, per 8well column) | $45 | Contact facility | Contact facility |
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