MHTP
Monash Health
Translation Precinct

Medical Genomics Facility

ACRF Centre for
Cancer Genomic Medicine

ACRF Centre for Cancer Genomic Medicine is one of the four centres forming the MHTP Medical Genomics Facility:

- The Gandel Charitable Trust Sequencing Centre
- ACRF Centre for Cancer Genomic Medicine
- MHTP High Content Screening Centre
- MHTP Microarray Centre

Located at the Monash Health Translation Precinct (MHTP) in Victoria, we are a not-for-profit facility using state-of-the-art technologies to service research Institutes throughout Australia. We maintain an excellent reputation for the provision of the highest quality genomic data and comprehensive client support.

The Centre operates a Next Generation Sequencing (NGS) service using the latest Illumina HiSeq 1500 and Life Technologies Ion PGM and Proton systems. Complementary services include RNA and DNA quantitation utilising the Agilent Bioanalyzer and DNA Shearing using the Covaris system.

Contact Us

Email medicalgenomics@monash.edu
Web http://mhtpmedicalgenomics.org.au
Tel +61 3 9902 4790 or +61 3 9594 3576

Illumina HiSeq 1500

The Illumina HiSeq 1500 system provides a high throughput and flexible solution. The flexibility results from the ability to run experiments in eight independent lanes using high throughput sequencing chemistry or two lanes using rapid sequencing chemistry. This is coupled with multiplexing capability by use of Illumina barcodes that allows 96 samples to be run in a single lane.

Applications:

- Whole or targeted genome
- Whole transcriptome
- Small RNA sequencing
- Gene expression profiling
- ChIP-Seq
- Methylation analysis
- Copy number

For further information on the Illumina HiSeq 1500 system, visit: http://www.illumina.com/systems/hiseq_2500_1500.ilmn

Australian Cancer Research Foundation

Sample submission

Upon receiving a signed quotation acceptance, sample submission guidelines will be forwarded to you detailing the purity and concentration of RNA or DNA required for your project.

Samples need to be accompanied by a completed Illumina HiSeq 1500 system request form (available on our website) and provided in 1.7 ml microfuge tubes labelled with sample name (<10 characters) and client name.

Please use a permanent marker or alternatively, adhesive labels around the side of the tube.

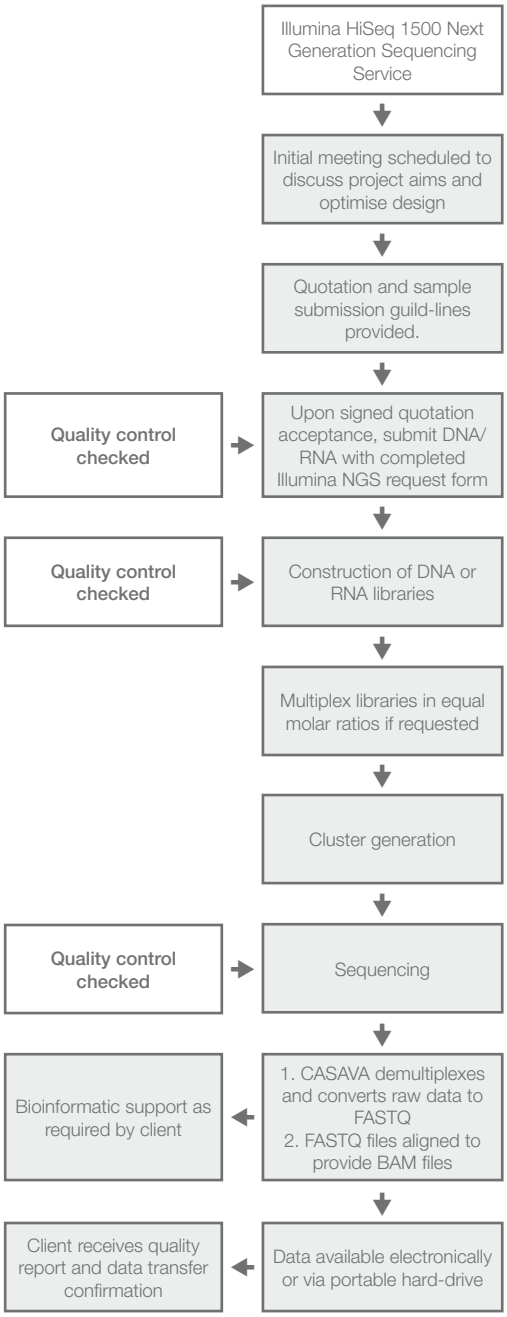
Samples can be dropped off in person at the laboratory or sent by courier. Refer to sample submission guidelines for details of shipping requirements.

Data retrieval

Sequence data is usually available within 4 weeks of receipt of samples.

We use Illumina CASAVA Software to create FASTQ files and can map your data back to a reference providing aligned BAM files.

Bioinformatic support can be organised based upon project requirements.



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