



# Westmead Genomics Facility

- ▶ The Westmead Genomics Facility is the central contact point at the Westmead Research Hub for access to specialized Genomics technology, services and expertise. On the technology front, we have next generation sequencing capability through our partners at the Australian Genome Research Facility while our Nanostring nCounter platform allows rapid targeted gene expression profiling. For detection and quantification of DNA targets, our digital PCR platform offers unparalleled sensitivity and precision with single copy detection possible. We also offer support for single cell genomics projects on the 10x Genomics Chromium platform.
- ▶ We offer training on all our equipment as well as end-to-end services, from project design, to sample preparation and data analysis. Get in touch with us, and we look forward to working with you to achieve your research goals.

## Contact

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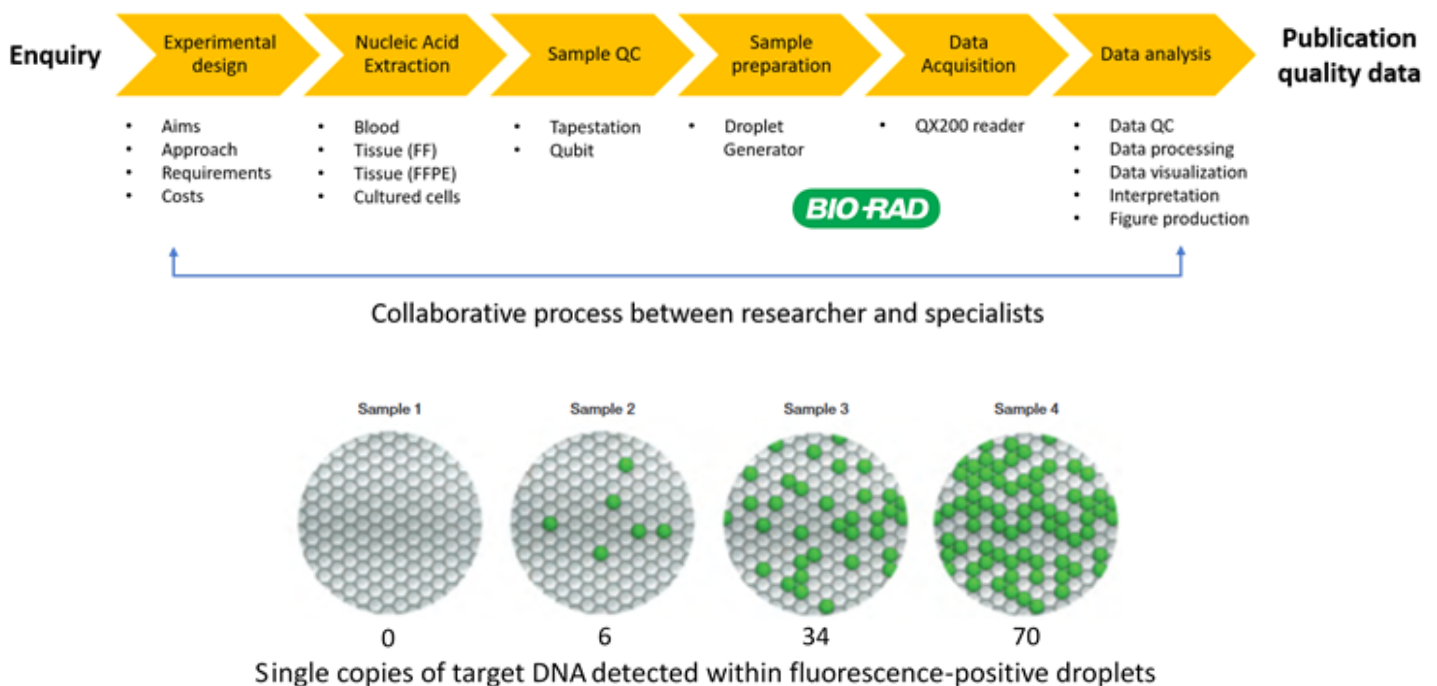
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# Digital PCR – Rare Event Detection

- ▶ **Digital Droplet PCR technology** is one of the most sensitive methods available, allowing single copy detection of DNA targets. At Westmead, it is currently used for detection of biomarkers (eg circulating tumour DNA), mutations, copy number variation, pathogens and chimerism in bone marrow transplant patients.
- ▶ **Capabilities include:**
  - Absolute quantification of DNA targets (copies/ul)
  - High sample throughput (up to 96 samples per run per day)
  - Up to two targets per sample can be detected simultaneously

## Digital PCR Workflow

- ▶ We offer a fully integrated end-to-end workflow for all ddPCR projects.



- ▶ Westmead Research Hub researchers are eligible to internal pricing rates for all services and consumables provided at the Westmead Core Facilities.