QuantStudio™ 12K Flex System

Now available at the CPGR!

Key technical features
- High sample-throughput - Up to 200k samples per year
- Quick sample-to-data turnaround time - workflow completed in a single day - from sample prep to data analysis
- Multiple interchangeable PCR formats
  - OpenArray® Real-Time PCR plates (up to 3,072 reactions in real-time at a time)
  - TaqMan® Arraycards
  - 96/384-well plate formats
- qPCR
- Digital PCR

Key Applications
- Gene Expression
- SNP Genotyping
- MicroRNA profiling
- Copy Number Variation
- Molecular barcoding
- Pathogen Detection
- High Resolution Melt
- Digital PCR
- Protein thermal shift

Selected research areas
- Microbial resistance testing
- Drug discovery
- Respiratory infections
- Bioterrorism
- Pharmacogenomics

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About the CPGR
The CPGR is a non-profit company located in Cape Town, South Africa, based on an initiative by the Department of Science and Technology (DST), and financially supported by the Technology Innovation Agency (TIA). The organization operations offers a range of ‘omics’ capabilities in an ISO 9001:2008 certified environment.

The CPGR has recently launched an accelerator program to stimulate the creation of South African start-ups based on ‘omics’ technologies and has entered into Genomic Medicine partnership with Lancet Laboratories through its commercial arm, Artisan Biomed.