

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

Contact

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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.