

Target Gene Expression	
Service Title	Superarray gene expression
Workflow Code	PCR-SA
Short Service Description	Analyse gene regulation / expression in a quantitative fashion using purpose-designed Superarray expression panels.
Base Price (Price per unit)	Price on enquiry
Turn Around Time	2 working days
Detailed Description and background	
<p>The SABiosciences RT² Profiler PCR Arrays (patent pending) analyze expression of a panel of genes associated with any one of over 100 biological pathways or specific disease states. These arrays contain experimentally tested and validated qRT-PCR primer sets for every human, mouse, rat, rhesus macaque, fruit fly and dog gene. The extent of the CPGR offering includes qPCR primer assays for gene-by-gene expression analysis, microarray data validation, biomarker discovery and siRNA knock-down verification.</p>	
Service Details	
<p>The PCR Arrays are available in 96-well plate and 384-well plate formats, and are used to monitor the expression of 84 genes related to a disease state or pathway plus five housekeeping genes. Controls are also included on each array for genomic DNA contamination, RNA quality, and general PCR performance. -> Bioinformatics is optional</p>	
Service Deliverable	
<p>Report includes the QC quality gate results, the raw data and a Superarray analysis report. Bioinformatic analysis and interpretation of data is optional.</p>	
Sample/Info Submission Info	
<p>4 samples may be run on each 384 well plate. Concentrations as little as 1 ng or as much as 5 µg of total RNA can be used per array plate, depending on the abundance of sample. RNA must be proven good quality (bioanalyzer trace) and 260/280 and 260/230 ratios between 1.8 and 2.1</p>	
Pricing Details	Price on request
Key Words	gene expression Superarray qPCR.RT-PCR Genomic DNA. Pathway analysis.
Sample Shipping Address	Institute of Infectious Disease and Molecular Medicine, UCT, Faculty of Health Sciences, Wernher and Beit Building, Level 2, Lab S2.09, Anzio Road, Observatory, Cape Town 7925, South Africa
Related services	Bioinformatics. Sample Preparation

