



# Instant Success in Gene Expression Analysis

Real, unbiased gene expression profiles

To help you get the most from your samples and exceed your goals, we have used our expertise in gene expression analysis to generate a powerful and convenient workflow.

From instruments to chemistries and data analysis, this fully compatible workflow offers you sensitive quantification with any type of RNA or transcript abundance and powerful analysis tools to give you deeper insights faster!



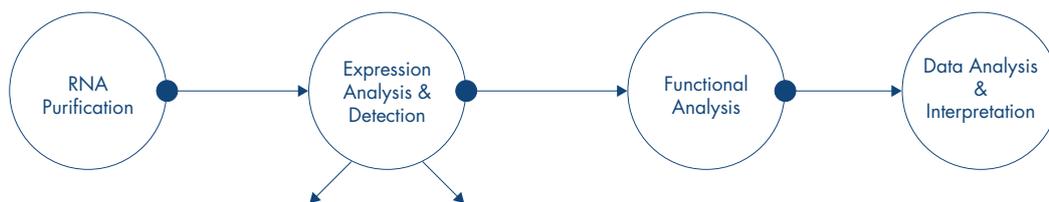
Sample to Insight

# Why use the QIAGEN gene expression workflow?

**Get the best experimental start with Gold Standard RNA purification:** Purify any RNA type from any sample material with built-in gDNA removal for high accuracy - fast and simple.

**Use the most sensitive chemistries featuring industry-leading, built-in controls:** Profile your genes of interest with our real-time RT-PCR kits or profile by pathway with our disease- or pathway-specific qPCR arrays and assays and get rich transcriptome data with RNASeq.

**Quickly and easily uncover complex interactions and interpret RNAseq data with QIAGEN® Bioinformatics tools.** With our deep knowledge base and broad analysis and predictive capabilities, easily identify key regulators and their activity, explain expression patterns and predict downstream effects on biological systems.



## Instruments

## Kits

<ul style="list-style-type: none"> <li>• QIAcube/QIAcube HT</li> <li>• QIAAsymphony SP/AS</li> <li>• QIAxcel Advanced (Quality Control)</li> <li>• QIAxpert (Quality Control)</li> </ul>		<ul style="list-style-type: none"> <li>• QIAgility</li> <li>• Rotor-Gene Q</li> <li>• QIAAsymphony SP/AS</li> </ul>		<ul style="list-style-type: none"> <li>• QIAxpert (Quality Control)</li> <li>• QIAxcel Advanced (Quality Control)</li> </ul>	
<p><b>RNeasy Plus Kits</b></p> <p>For all sample types</p>	<p><b>Quant Nova Kits</b></p> <ul style="list-style-type: none"> <li>• Reverse Transcription Kit</li> <li>• SYBR Green, Probe, Multiplex PCR and RT-PCR Kits</li> </ul> <p>To be combined with self-designed or pre-designed assays</p>	<p><b>QIAseq Kits</b></p> <ul style="list-style-type: none"> <li>• Stranded mRNA SelectLibrary</li> <li>• Stranded Total mRNA Library</li> <li>• Targeted RNA Panels</li> <li>• UPX 3' Targeted RNASeq</li> <li>• UPX 3' Transcriptome RNA Library</li> </ul>	<p><b>Antisense LNA GapmeRs</b></p> <p>For mRNA and lncRNA silencing in vitro and in vivo</p>	<ul style="list-style-type: none"> <li>• Ingenuity Pathway Analysis (IPA)</li> <li>• CLC Biomedical Workbench</li> <li>• Array Suite by OmnicSoft</li> <li>• GeneGlobe Data Analysis Center</li> </ul>	
<p><b>All Prep Kits</b></p> <p>Simultaneous purification of DNA and RNA</p>	<p><b>RT<sup>2</sup></b></p> <p>Pre-designed panels and assays by pathway, disease or custom list</p>				
<p><b>PAXgene</b></p> <ul style="list-style-type: none"> <li>• Blood RNA System</li> <li>• Tissue RNA System</li> </ul>	<p><b>QIAGEN OneStep AHEAD RT-PCR Kit</b></p> <p>Endpoint RT-PCR analysis</p>				

# Take full control of your gene expression analysis:

Analyze any sample with the highest standards of sensitivity and specificity with our dedicated gene expression workflow

## Instruments

### QIAcube

- Seamless automation of a wide range of purification kits
- Get standardized results and more time to focus on other tasks

### Rotor-Gene Q

- Get the reliable results your research demands with Rotor-Gene® Q outstanding thermal and optical performance
- Directly analyze your results with Q-Rex, the new operating and analysis software and streamline your qPCR workflow.

## Purification & Detection Tools

### RNeasy and miRNeasy Kits

- Always get high-quality total RNA, including mRNA, miRNA and lncRNA in minutes
- Purify RNA from cells, tissues, FFPE tissues and all biofluids

### QIAseq Kits

- Generate stranded, high-quality RNAseq libraries for transcriptome analysis
- Simplify low input and single-cell analysis with ultraplex capabilities and 3' RNAseq

### QuantiNova qPCR/RT-qPCR

- Get accurate detection to a single copy
- Novel hot-start mechanisms for convenient room-temperature setup
- Increase reproducibility with our industry-leading built-in controls – including our unique visual pipetting control

### RT<sup>2</sup> Profiler PCR Assays and Arrays for mRNA and long non-coding RNA

- Profile RNA by pathway and disease. Choose from over 170 pathway-specific qPCR arrays
- Get unsurpassed reliability with integrated, patented controls to monitor gDNA contamination, cDNA synthesis, qPCR efficiency and 5 included reference genes

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## Online & Data Analysis Tools

### GeneGlobe

- Quickly and easily build custom assays and arrays, find products and relevant scientific literature
- Find primer assays and arrays for mRNA, miRNA, lncRNA, siRNA, genotyping, dedicated kits and more
- Access our complimentary suite of data analysis and interpretation tools for your NGS and qPCR data

### Integrity Pathway Analysis Software

- Use our powerful IPA<sup>®</sup> software to uncover the significance of your 'omics data
- Identify new targets or candidate biomarkers within the context of biological systems, in minutes

For more information on all of the QIAGEN Gene Expression Workflow products please visit:

**<https://www.qiagen.com/gene-expression-workflow/>**

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at [www.qiagen.com](http://www.qiagen.com) or can be requested from QIAGEN Technical Services or your local distributor.

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