



# Working Together **Is What** Sets Us Apart

Agilent and Stratagene Genomics Product Portfolio: Detection and Quantification | Data Analysis | Sample Preparation

**STRATAGENE**

An Agilent Technologies Division

# Let us put together the right solution for you

**From high-quality reagents to high-throughput systems —  
and everything in between — we have a broad range of  
solutions for genomic research.**

This booklet contains information about the products in our genomics portfolio. Each one has been designed and developed in collaboration with life scientists to provide optimal performance and value.

Whether you're considering a real-time PCR system or implementing a fully integrated microarray analysis workflow, we go out of our way to understand your application. We take what we learn to make it easier for you to get great results — and more for your research dollar.

With the power of the combined Agilent and Stratagene product and service portfolio, you now have a lot more working for you. We're here to help you put together the solution that works best for you.

For more information about our newly integrated organization visit [www.stratagene.com/workingtogether](http://www.stratagene.com/workingtogether). While you're there fill out a brief online survey, and receive a free multi-device USB 2.0 Hub.

# Complementary Tools for a Robust Workflow

## Sample Preparation

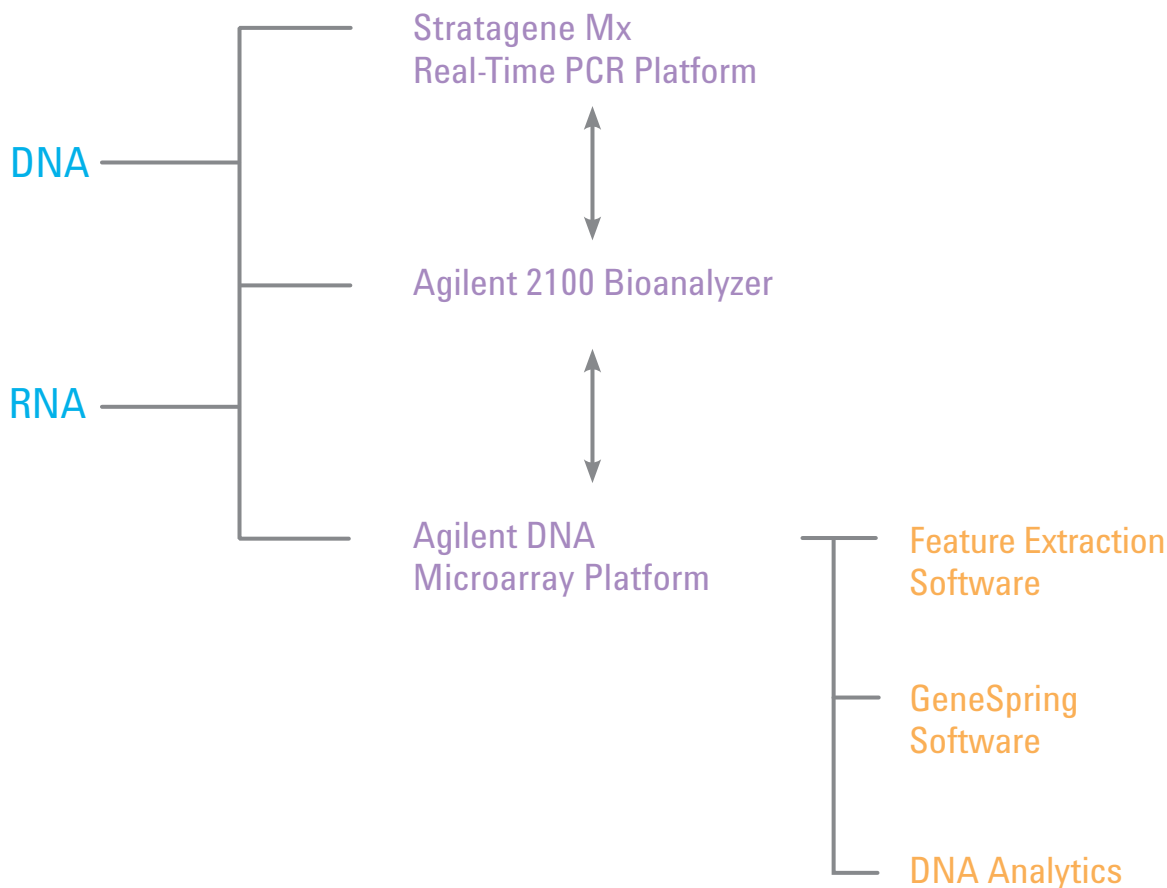
Whether your research involves the structure and function of DNA or the expression of genes or microRNAs, our high-quality products make your research easier.

## Detection and Quantitation

Choose from three state-of-the-art detection and quantitation platforms, or use them in combination for sample quality control, genome-wide profiling, and validation of your research.

## Data Analysis

Rely on Agilent's industry-standard informatics software tools with robust data interpretation, comprehensive visualization, and integrated data analysis to help you answer your biological questions.



# Detection and Quantitation

## Stratagene Mx3000P and Mx3005P Real-Time PCR Systems



With its 5-color detection and user-selectable filters, the Stratagene Mx3005P system accommodates virtually all fluorescent dyes and chemistries. Precision optics and uniform thermal response ensure maximum sensitivity and linear performance over a broad wavelength range. So, all the users in your lab have the freedom to run their applications of choice, including gene expression analysis, SNP genotyping, pathogen detection, and microarray validation.

Stratagene MxPro QPCR software is easy to learn and use. Yet it provides powerful, automated system set-up, analysis and reporting, and data-exporting capabilities that save valuable time. New users will be up and running in no time. Expert users will appreciate the power and convenience of multi-experiment analysis tools that speed them through their work — without repetitive and time-consuming procedures.

## Real-Time PCR Instruments

Stratagene Mx Systems	Part Number
<b>Mx3000P Systems</b>	
Mx3000P QPCR System (110 volt) with notebook computer	<b>401403</b>
Mx3000P QPCR System (110 volt) with desktop computer	<b>401405</b>
<b>Mx3005P Systems</b>	
Mx3005P QPCR System (110 volt) with notebook computer	<b>401449</b>
Mx3005P QPCR System (110 volt) with desktop computer	<b>401456</b>

This is a Licensed Real-Time Thermal Cycler(s) or Licensed Real-Time Temperature Cycling Instrument(s) under ABI's United States Patent No. 6,814,934 and corresponding claims in non-U.S. counterparts thereof, for use in research and for all other applied fields except human in vitro diagnostics. No right is conveyed expressly, by implication or by estoppel under any other patent claim.



## Stratagene Brilliant II Reagents provide you freedom of choice

Brilliant II Kits offer a selection of high-performance QPCR reagents for sensitive, reproducible results. Choose from a variety of formats, including our new premixed High and Low ROX and FAST in both SYBR® or probe-based versions. Additional kits include multiplex and 1-step or 2-step QRT-PCR varieties. All Brilliant reagents are validated and quality controlled on Stratagene Mx systems to ensure the highest level of performance and the most affordable price.

Stratagene Brilliant II PCR Reagents	Quantity	Part Number
Brilliant II QPCR Master Mix	400 rxns	<b>600804</b>
Brilliant II QPCR Master Mix (10 pack)	4000 rxns	<b>600815</b>
Brilliant II QRT-PCR Master Mix, 1-step	400 rxns	<b>600809</b>
Brilliant II QRT-PCR Master Mix, 1-step (10 pack)	4000 rxns	<b>600818</b>
Brilliant II QRT-PCR Core Reagent Kit, 1-step	400 rxns	<b>600810</b>
Brilliant II QRT-PCR Core Reagent Kit, 1-step (10 pack)	4000 rxns	<b>600819</b>
Brilliant II QRT-PCR AffinityScript Master Mix, 2-step	400 rxns	<b>600827</b>
Brilliant II QPCR Low ROX Master Mix	400 rxns	<b>600806</b>
Brilliant II QPCR Low ROX Master Mix (10 pack)	4000 rxns	<b>600817</b>
Brilliant II QPCR High ROX Master Mix	400 rxns	<b>600805</b>
Brilliant II QPCR High ROX Master Mix (10 pack)	4000 rxns	<b>600816</b>
Brilliant II QRT-PCR Low ROX Master Mix, 1-step	400 rxns	<b>600837</b>
Brilliant II QRT-PCR Low ROX Master Mix, 1-step (10 pack)	4000 rxns	<b>600841</b>
Brilliant II QRT-PCR High ROX Master Mix, 1-step	400 rxns	<b>600838</b>
Brilliant II QRT-PCR High ROX Master Mix, 1-step (10 pack)	4000 rxns	<b>600842</b>
Brilliant II SYBR Green QPCR Master Mix	400 rxns	<b>600828</b>
Brilliant II SYBR Green QPCR Master Mix (10 pack)	4000 rxns	<b>600831</b>
Brilliant II SYBR QPCR Low ROX Master Mix	400 rxns	<b>600830</b>
Brilliant II SYBR QPCR High ROX Master Mix	400 rxns	<b>600829</b>
Brilliant II SYBR QPCR High ROX Master Mix (10 pack)	4000 rxns	<b>600832</b>
Brilliant II SYBR QPCR Low ROX Master Mix (10 pack)	4000 rxns	<b>600833</b>
Brilliant II SYBR Green QRT-PCR Master Mix, 1-step	400 rxns	<b>600825</b>
Brilliant II SYBR Green QRT-PCR Master Mix, 1-step (10 pack)	4000 rxns	<b>600826</b>
Brilliant II SYBR Green QRT-PCR AffinityScript Master Mix, 2-step	400 rxns	<b>600834</b>
Brilliant II QRT-PCR SYBR Low ROX Master Mix, 1-step	400 rxns	<b>600835</b>
Brilliant II QRT-PCR SYBR High ROX Master Mix, 1-step	400 rxns	<b>600836</b>
Brilliant II QRT-PCR SYBR Low ROX Master Mix, 1-step (10 pack)	4000 rxns	<b>600839</b>
Brilliant II QRT-PCR SYBR High ROX Master Mix, 1-step (10 pack)	4000 rxns	<b>600840</b>
Brilliant II Fast SYBR Green QPCR Master Mix	400 rxns	<b>600843</b>
Brilliant II Fast SYBR Green QPCR Master Mix (10 pack)	4000 rxns	<b>600844</b>
Brilliant II Fast QPCR Master Mix 400	400 rxns	<b>600845</b>
Brilliant II Fast QPCR Master Mix (10 pack)	4000 rxns	<b>600846</b>

**Stratagene Highly Specific MicroRNA QRT-PCR Detection** — Stratagene MicroRNA QRT-PCR Detection Kits provide complete, qualified reagents for sensitive and specific detection of microRNA from total RNA — using a simple three-step protocol of polyadenylation of total RNA, reverse transcription of poly(A) microRNAs using poly(T) adapter primer, and QPCR detection of cDNA with microRNA-specific forward primer and reverse primer complementary to poly(T) adapter.

Stratagene Highly Specific MicroRNA QRT-PCR Reagent	Quantity	Part Number
High-Specificity MicroRNA QRT-PCR Detection Kit	200 rxns	<b>600580</b>
MicroRNA 1st Strand cDNA Synthesis Kit	50 rxns	<b>600036</b>

# Detection and Quantitation

## Applied Lab-on-a-Chip technology: The Agilent 2100 Bioanalyzer

The Agilent 2100 Bioanalyzer is an indispensable tool for molecular biology labs. It allows the objective measurement of RNA samples using our patented RIN algorithm, size and concentration determination of DNA or protein samples, and measurement of unique cellular events using the cell application. Utilizing Lab-on-a-Chip technology, the Agilent 2100 Bioanalyzer combines multiple sample analysis procedures (sample handling, separation, staining, and detection) on a single chip, thereby improving precision and reproducibility over traditional electrophoretic methods. A full line of validated reagents ensures consistent, reliable results.

### The Bioanalyzer offers:

- A complete array of applications (DNA, RNA, proteins, and cells)
- The gold standard for RNA QC, 21CFR Part 11 compliance, and full compliance services
- Sophisticated user-friendly software with multiple functionality



## Instruments and Reagents

Agilent Bioanalyzer Instruments	Part Number
2100 Electrophoresis Bioanalyzer (PC not included)	<b>G2939AA</b>
2100 Bioanalyzer Desktop Bundle (software and cartridge not included); must order one of the sets below: <ul style="list-style-type: none"><li>• 2100 Bioanalyzer Electrophoresis Set (cartridge/license/SW)</li><li>• 2100 Bioanalyzer Flow Cytometry Set (cartridge/license/SW)</li></ul>	<b>G2940CA</b> <b>G2947CA</b> <b>G2948CA</b>
2100 Bioanalyzer Laptop Bundle (software and cartridge not included); must order one of the sets below: <ul style="list-style-type: none"><li>• 2100 Bioanalyzer Electrophoresis Set (cartridge/license/SW)</li><li>• 2100 Bioanalyzer Flow Cytometry Set (cartridge/license/SW)</li></ul>	<b>G2943CA</b> <b>G2947CA</b> <b>G2948CA</b>
Desktop Bundle (computer & SW upgrade only)	<b>G2950CA</b>
Laptop Bundle (computer & SW upgrade only)	<b>G2953CA</b>

Agilent Bioanalyzer RNA Reagents	Number of Samples	Part Number
Agilent RNA 6000 Nano Kit	300	<b>5067-1511</b>
Agilent RNA 6000 Nano Reagents (chips not included)	300	<b>5067-1512</b>
Agilent RNA 6000 Nano Ladder	35 µl at 1X	<b>5067-1529</b>
Agilent RNA 6000 Pico Kit	275	<b>5067-1513</b>
Agilent RNA 6000 Pico Reagents (chips not included)	275	<b>5067-1514</b>
Agilent RNA 6000 Pico Ladder	10 µl at 10X	<b>5067-1535</b>
Agilent Small RNA Kit	275	<b>5067-1548</b>
Agilent Small RNA Reagents (chips not included)	275	<b>5067-1549</b>
Agilent Small RNA Ladder	10 µl at 10X	<b>5067-1550</b>
Agilent Bioanalyzer DNA Reagents	Number of Samples	Part Number
Agilent DNA 1000 Kit	300	<b>5067-1504</b>
Agilent DNA 1000 Reagents (chips not included)	300	<b>5067-1505</b>
Agilent DNA 7500 Kit	300	<b>5067-1506</b>
Agilent DNA 7500 Reagents (chips not included)	300	<b>5067-1507</b>
Agilent DNA 12000 Kit	300	<b>5067-1508</b>
Agilent DNA 12000 Reagents (chips not included)	300	<b>5067-1509</b>
Agilent Bioanalyzer Protein Reagents	Number of Samples	Part Number
Agilent Protein 230 Kit	250	<b>5067-1517</b>
Agilent Protein 230 Reagents (chips not included)	250	<b>5067-1518</b>
Agilent Protein 80 Kit	250	<b>5067-1515</b>
Agilent Protein 80 Reagents (chips not included)	100	<b>5067-1516</b>
High Sensitivity Protein 250 Reagents (chips not included)	100	<b>5067-1576</b>
Protein 250 Labeling Kit	100	<b>5067-1577</b>
High Sensitivity Protein 250 Ladder	18 µl	<b>5067-1578</b>
Cell Reagents	Number of Samples	Part Number
Agilent Cell Kit	150	<b>5067-1519</b>
Agilent Bioanalyzer Accessories		Part Number
2100 Expert Software Upgrade		<b>G2946CA</b>
Security Pack License (includes SW upgrade license)		<b>G2949CA</b>

\*Unrestricted arrays are microarrays with customer-defined content, universally available.

# Detection and Quantitation

## The Agilent DNA Microarray Platform

The Agilent DNA Microarray Platform offers a complete set of hardware, sample processing kits, and microarrays for the following genomics applications:

- **Gene Expression** — Explore gene transcription on a genome-wide basis across a variety of model systems.
- **Comparative Genomic Hybridization** (oligo aCGH) — Conduct high-resolution, genome-wide profiling of DNA copy number changes from most sample types, including FFPE tissue.
- **MicroRNA** — Profile microRNAs (miRNAs) and explore the role they play in gene regulation with the most robust experimental protocols and frequent array design updates.
- **Chromatin Immunoprecipitation** (ChIP-on-Chip) — Elucidate the role that protein-DNA interactions play in processes such as transcription, replication, modification, and repair.
- **DNA Methylation** — Create high-resolution, genome-wide methylation profiles and gain insight into mammalian DNA methylation and gene regulation.

## Agilent Microarray Processing Hardware

Agilent's new DNA Microarray Scanner with SureScan High-Resolution technology is the key component of microarray-based applications in which increased coverage of the genome is a necessity. Whether performing gene expression studies, aCGH, miRNA profiling, or other novel applications, scanning technology is responsible for providing the highest quality data. Our scanner provides an expanded dynamic range of 6 orders of magnitude and a unique autofocus feature that coordinates continual focus across the array, adjusting for any potential glass aberrations or curvatures. The system is fully integrated and all components are guaranteed for enhanced functionality when used with Agilent's microarrays, which helps ensure the highest levels of sensitivity and data quality.



High-Resolution Microarray Scanner		Part Number
Agilent High-Resolution Microarray Scanner Bundle		G2565CA
Scanner Upgrade: G2565BA to G2565CA		G2539A
Accessories	Quantity	Part Number
Hybridization Oven		G2545A
Hybridization Oven Rotator		G2530-60029
Hybridization Chamber, Stainless		G2534A
Backing Slides, 1 array/slide	5 slides per kit*	G2534-60003
Backing Slides, 2 arrays/slide	5 slides per kit*	G2534-60002
Backing Slides, 4 arrays/slide	5 slides per kit*	G2534-60011
Backing Slides, 8 arrays/slide	5 slides per kit*	G2534-60014

\*Larger pack sizes available.

## Agilent Microarray Labeling and Hybridization Reagents

Reagents for Gene Expression and miRNA	Quantity	Part Number
Quick Amp Labeling Kit, Two-Color	10 rxns	5190-0444
Quick Amp Labeling Kit, One-Color	20 rxns	5190-0442
Quick Amp Labeling Kit, No Dye	20 rxns	5190-0447
Gene Expression Hybridization Kit	10 rxns	5188-5242
Gene Expression Wash Buffer Pack	40 rxns	5188-5327



Gene Expression Wash Buffer 1	4 liters	<b>5188-5325</b>
Gene Expression Wash Buffer 2	4 liters	<b>5188-5326</b>
10X Gene Expression Blocking Agent, Large Volume	100 rxns	<b>5188-5281</b>
Hi-RPM Gene Expression Hybridization Kit, Large Volume	100 rxns	<b>5190-0404</b>
Stabilization and Drying Solution	500 mls	<b>5185-5979</b>
25X Fragmentation Buffer	10 mls	<b>5185-5974</b>
2X Hi-RPM Hybridization Buffer	25 mls	<b>5190-0403</b>
miRNA Complete Labeling and Hybridization Kit (enzymes included)	24 rxns	<b>5190-0456</b>
miRNA Labeling Reagent and Hybridization Kit	24 rxns	<b>5190-0408</b>
One-Color RNA Spike-in Kit	300 rxns	<b>5188-5282</b>
Two-Color RNA Spike-in Kit	300 rxns	<b>5188-5279</b>
Agilent Total RNA Isolation Mini Kit	50 rxns	<b>5185-6000</b>
<b>Reagents for CGH, ChIP-on-Chip and DNA Methylation</b>	<b>Quantity</b>	<b>Part Number</b>
Genomic DNA ULS Labeling Kit	5 slides	<b>5190-0419</b>
Genomic DNA Labeling Kit PLUS	50 rxns	<b>5188-5309</b>
Genomic DNA Purification Module	10 columns	<b>5190-0418</b>
Oligo aCGH/ChIP-on-Chip Hybridization Kit	25 rxns	<b>5188-5220</b>
Oligo aCGH/ChIP-on-Chip Hybridization Kit Large	100 slides	<b>5188-5380</b>
Agilent aCGH/ChIP-on-Chip Wash Buffer 1	4 liters	<b>5188-5221</b>
Agilent aCGH/ChIP-on-Chip Wash Buffer 2	4 liters	<b>5188-5222</b>
Oligo aCGH/ChIP-on-Chip Wash Buffer 1 and 2 Set	3 x 4 liters	<b>5188-5226</b>
Stabilization and Drying Solution	500 mls	<b>5185-5979</b>
*Prehybridization Buffer	4 liters	<b>5190-0402</b>
*Wash Buffer Additive	25 mls	<b>5190-0401</b>

\*Use only on a Tecan HS 400 or HS 4800 Pro with compatible hybridization chambers. Not for use with manual protocols.

## Stratagene Labeling Kits and Reference Standards

**Stratagene Microarray Labeling and Reference Standards** — Stratagene Universal Reference RNAs are high-quality reference standards for human, mouse, or rat-based microarray experiments. These reference RNAs have quickly become an industry standard for one- and two-color microarray experiments, allowing numerous laboratories with many different microarray platforms to get closer to comparing and sharing data in the global microarray community. Stratagene Universal Human Reference RNA was selected as one of the two RNA standards in the FDA-led MicroArray Quality Control (MAQC) project.

<b>Universal Reference Standards</b>	<b>Quantity</b>	<b>Part Number</b>
Universal Human Reference RNA	400 µg	<b>740000</b>
Universal Mouse Reference RNA	400 µg	<b>740100</b>
Universal Rat Reference RNA	400 µg	<b>740200</b>

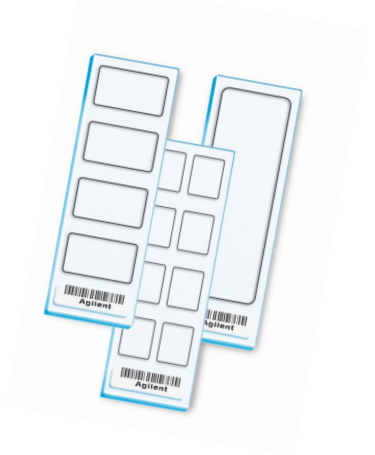
**Stratagene Fairplay III Microarray Labeling Kit** — Stratagene FairPlay III Microarray Labeling Kits solve your problems associated with preparation of fluorescent cDNA for microarrays and provides a reliable and reproducible way to convert total RNA or poly(A) RNA to fluorescence-labeled cDNA for hybridization to microarrays. The Stratagene FairPlay III microarray labeling kit, using random primer labeling, can be used with ExonHit SpliceArrays.

<b>Fairplay III Microarray Labeling Kit</b>	<b>Quantity</b>	<b>Part Number</b>
FairPlay III Microarray Labeling Kit (now includes Random Primers)	10 rxns	<b>252009</b>
FairPlay III Microarray Labeling Kit (now includes Random Primers)	30 rxns	<b>252012</b>

# Detection and Quantitation

## Agilent Microarrays

The Agilent microarray lies at the center of an integrated research platform designed to provide you with the dynamic tools you need to perform research on your own terms. Agilent's microarrays utilize SurePrint inkjet technology, which produces highly reproducible 60-mer oligo probes directly on glass slides, resulting in the highest sensitivity and 6X the signal:noise ratio than other microarrays. With this level of performance, you can work with complex mixtures, analyze degraded samples, and detect subtle yet significant biological changes with confidence. Agilent Microarrays are available in multiple slide formats, ranging from 1 x 244K, 2 x 105K, 4 x 44K, and 8 x 15K. Standard catalog microarrays ship in standard pack sizes of 3 or 5 slides/kit, and custom and unrestricted arrays are available as single slides.



## RNA — Agilent Gene Expression and MicroRNA Microarrays

Gene Expression Arrays	Arrays per Slide	Slides per Kit	Part Number
Whole Human Genome Kit 4 x 44K	4	5	<b>G4112F</b>
Whole Mouse Genome Microarray Kit 4 x 44K	4	5	<b>G4122F</b>
Whole Rat Genome Microarray Kit 4 x 44K	4	5	<b>G4131F</b>
Custom Microarray Gene Expression 1 x 244K	1	1	<b>G4502A</b>
Custom Microarray Gene Expression 2 x 105K	2	1	<b>G4503A</b>
Custom Microarray Gene Expression 4 x 44K	4	1	<b>G2514F</b>
Custom Microarray Gene Expression 8 x 15K	8	1	<b>G2509F</b>
Unrestricted* Gene Expression Human Microarray 4 x 44K	4	1	<b>G2519F, Design ID 14850</b>
Unrestricted Gene Expression Mouse Microarray 4 x 44K	4	1	<b>G2519F, Design ID 15062</b>
Unrestricted Gene Expression Mouse Microarray 4 x 44K	4	1	<b>G2519F, Design ID 14868</b>
Unrestricted Gene Expression Mouse Rat Microarray 4 x 44K	4	1	<b>G2519F, Design ID 14879</b>
Gene Expression Model Organism Arrays	Arrays per Slide	Slides per Kit	Part Number
Arabidopsis (V3) 4 x 44K	4	1	<b>G2519F, Design ID 15059</b>
Bovine 4 x 44K	4	1	<b>G2519F, Design ID 15354</b>
Canine 4 x 44K	4	1	<b>G2519F, Design ID 15067</b>
C. elegans 4 x 44K	4	1	<b>G2519F, Design ID 15061</b>
C. elegans (V2) 4 x 44K	4	1	<b>G2519F, Design ID 20186</b>
Corn 4 x 44K	4	1	<b>G2519F, Design ID 16047</b>
Drosophila 4 x 44K	4	1	<b>G2519F, Design ID 18972</b>
E.coli 8 x 15K	8	1	<b>G4813A, Design ID 20097</b>
Gallus Chicken 4 x 44K	4	1	<b>G2519F, Design ID 15068</b>
Magnaportha (V2) 4 x 44K	4	1	<b>G2519F, Design ID 15060</b>
Pig 4 x 44K	4	1	<b>G2519F, Design ID 20109</b>
Rhesus Monkey 4 x 44K	4	1	<b>G2519F, Design ID 15421</b>
Rice 4 x 44K	4	1	<b>G2519F, Design ID 15058</b>
Sheep 8 x 15K	8	1	<b>G4813A, Design ID 19921</b>
Xenopus 4 x 44K	4	1	<b>G2519F, Design ID 15066</b>
Yeast 4 x 44K	4	1	<b>G2519F, Design ID 15072</b>
Zebrafish 4 x 44K	4	1	<b>G2519F, Design ID 15064</b>
<b>COMING SOON:</b> Arabidopsis (V3), Bacillus, Brassica, Corn (V2), Cotton, Mosquito, Plasmodium, Rabbit, Salmon, Tobacco, Tomato, Wheat.			

## RNA — Agilent MicroRNA Microarrays

MicroRNA Arrays	Arrays per Slide	Slides per Kit	Part Number
Human microRNA Microarray, 8 x 15K	8	3	<b>G4470A</b>
Human microRNA Microarray, Version 2, 8 x 15K	8	3	<b>G4470B</b>
Unrestricted Human microRNA Microarray, 8 x 15K	8	1	<b>G4471A, Design ID 016436</b>
Unrestricted Human microRNA Microarray Version 2, 8 x 15K	8	1	<b>G4471A, Design ID 019118</b>
Mouse microRNA Microarray, 8 x 15K	8	3	<b>G4472A</b>
Unrestricted Mouse microRNA Microarray, 8 x 15K	8	1	<b>G4471A, Design ID 019119</b>
Rat microRNA Microarray, 8 x 15K	8	3	<b>G4473A</b>
Unrestricted Rat microRNA Microarray, 8 x 15K	8	1	<b>G4471A, Design ID 019159</b>

## DNA — Agilent Oligo CGH, ChIP-on-Chip, and DNA Methylation Microarrays

Comparative Genomic Hybridization (CGH) Arrays	Arrays per Slide	Slides per Kit	Part Number
Human Genome CGH Microarray Kit 244A	1	5	<b>G4411B</b>
Human Genome CGH Microarray Kit 105A	2	5	<b>G4412A</b>
Mouse Genome CGH Microarray Kit 244A	1	5	<b>G4415A</b>
Mouse Genome CGH Microarray Kit 105A	2	5	<b>G4416A</b>
Rat Genome CGH Microarray Kit 244A	1	5	<b>G4435A</b>
Rat Genome CGH Microarray Kit 105A	2	5	<b>G4436A</b>
Custom HD-CGH Microarray, 1 x 244K	1	1	<b>G4423A</b>
Custom HD-CGH Microarray, 2 x 105K	2	1	<b>G4425A</b>
Custom HD-CGH Microarray, 4 x 44K	4	1	<b>G4426A</b>
Custom HD-CGH Microarray, 8 x 15K	8	1	<b>G4427A</b>
Unrestricted HD-CGH Microarray, 1 x 244K, Human 244 A supplemental	1	1	<b>G4423B, Design ID 16266</b>
Unrestricted HD-CGH Microarray, 2 x 105K, Human (same design as G4412A)	2	1	<b>G4425B, Design ID 14698</b>
Unrestricted HD-CGH Microarray, 1 x 244K, Human (same design as G4411B)	1	1	<b>G4423B, Design ID 14693</b>
Unrestricted HD-CGH Microarray, Human 4x44K	4	1	<b>G4426B, Design ID 14950</b>
Unrestricted HD-CGH Microarray, 1 x 244K, Mouse (same design as G4415A)	1	1	<b>G4423B, Design ID 14695</b>
Unrestricted HD-CGH Microarray, 2 x 105K, Mouse (same design as G4416A)	2	1	<b>G4425B, Design ID 14699</b>
Unrestricted HD-CGH Microarray, Mouse 4 x 44K	4	1	<b>G4426B, Design ID 15028</b>
Unrestricted HD-CGH Microarray, 1 x 244K, Rat (same design as G4435A)	1	1	<b>G4423B, Design ID 15223</b>
Unrestricted HD-CGH Microarray, 2 x 105K, Rat (same design as G4436A)	2	1	<b>G4425B, Design ID 15235</b>
Unrestricted HD-CGH Microarray, 1 x 244K, Chicken	1	1	<b>G4423B, Design ID 19553</b>

\*Unrestricted arrays are microarrays with customer-defined content, universally available.

ChIP-on-Chip and DNA Methylation Arrays	Arrays per Slide	Slides per Kit	Part Number
Human Promoter Set, 2-design 244K (2 slides/array)	1	10	G4489A
Human CpG Island Set*, 1 x 244K	1	5	G4492A
Human ENCODE Microarray, 1 x 244K	1	1	G4495A, Design ID 14792
Mouse Promoter Set, 2-design 244K (2 slides/array)	1	10	G4490A
Mouse CpG Island Set*, 2 x 105K	1	5	G4811A, Design ID 15279
Arabidopsis Microarray, 2-design 244K	2	5	G4495A, Design ID 14798 & 14799
C. elegans Microarray, 2-design 244K	1	1	G4495A, Design ID 14793 & 14794
Drosophila Microarray, 2-design 244K	2	1	G4495A, Design ID 14816 & 14817
S. pombe Microarray, 4 x 44K	4	1	G4810A, Design ID 15424
Yeast Whole Genome Set, 1 x 244K	1	1	G4491A
Yeast Whole Genome Set, 4 x 44K	1	5	G4493A
Custom ChIP-on-Chip, 1 x 44K as G4412A	1	1	G4496A
Custom ChIP-on-Chip, 4 x 44K	1	1	G4497A
Custom ChIP-on-Chip, 2 x 105K	2	1	G4498A
Custom ChIP-on-Chip, 8 x 15K as G4415A	1	1	G4499A
Unrestricted ChIP-on-Chip, 1 x 244K	2	1	G4495A
Unrestricted ChIP-on-Chip, 2 x 105K	4	1	G4811A
Unrestricted ChIP-on-Chip, 4 x 44K	8	1	G4810A

\*Arrays designed for DNA Methylation.

## Agilent Custom Microarray Options

Agilent provides two options for the custom design of microarrays:

- **Custom Microarray Design Services** — One-on-one consulting services. Please contact your local sales representative for more information.
- **eArray** — Control the design of your own custom microarrays with our free online application tool. Whether you upload your own probe content, use our algorithms for design, or search our comprehensive databases for validated content, eArray provides the easiest method of designing custom microarrays at no charge.

Any genome, any application, any time.

**eArray** <https://earray.chem.agilent.com/earray>

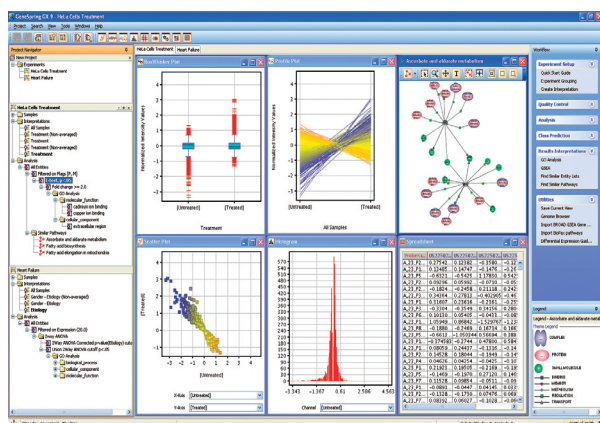


# Data Analysis

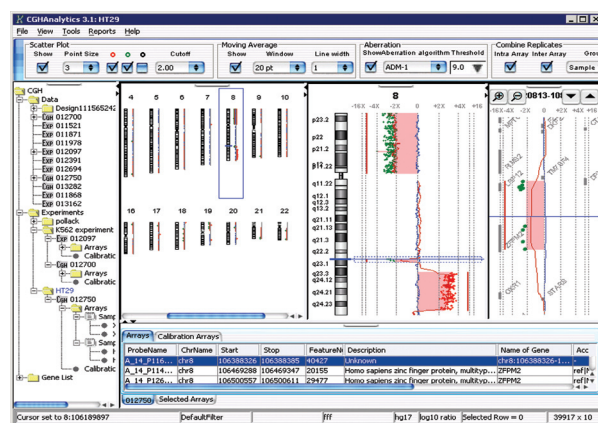
**Analyze and compare data from multiple applications.**  
**Collaborate with colleagues. Gain new perspectives on your data.**

The magnitude and complexity of genomic data sets make them difficult to interpret, but Agilent's industry-standard informatics tools provide the robust data interpretation, comprehensive visualization, and integrated data analysis capabilities you need to answer your biological questions.

- **Feature Extraction Software** — Agilent's Feature Extraction Software reads and processes raw microarray image files to prepare microarray data for analysis.
- **GeneSpring Software Platform** — Containing GeneSpring GT and GeneSpring GX modules, which offer a broad range of sophisticated tools for analyzing and managing data derived from a diverse set of genomic platforms.
- **Analytics Software** — Agilent's software specifically designed for genomic variation analysis, as well as performing other DNA microarray applications-related analysis.



GeneSpring GX software for interrogation of different aspects of gene expression data.



DNA Analytics software for easy visualization of CGH data.

Feature Extraction Software	Part Number
Feature Extraction 1-year Upgrades CML* (1-2 copies)	G4460AA
Feature Extraction 1-year Upgrades NFP** (1-2 copies)	G4463AA
GeneSpring GX Software	Part Number
GeneSpring GX Software, Workstation 1-year License CML (1-4 copies)	G1745AA, Option CM1
GeneSpring GX Software, Workstation 1-year License NFP (1-4 copies)	G1745AA, Option NP1
GeneSpring GT Software	Part Number
GeneSpring GT Software, Workstation 1-year License CML	G1757AA, Option NA1
GeneSpring GT Software, Workstation 1-year License NFP	G1757AA, Option DG1
DNA Analytics Software	Part Number
DNA Analytics Software, Workstation 1-year License CML	G4172AA, Option CML
DNA Analytics Software, Workstation 1-year License NFP	G4172AA, Option NFP

For multi-year or concurrent license information, please contact your local sales representative or distributor.

\*CML: Commercial \*\*NFP: Not For Profit

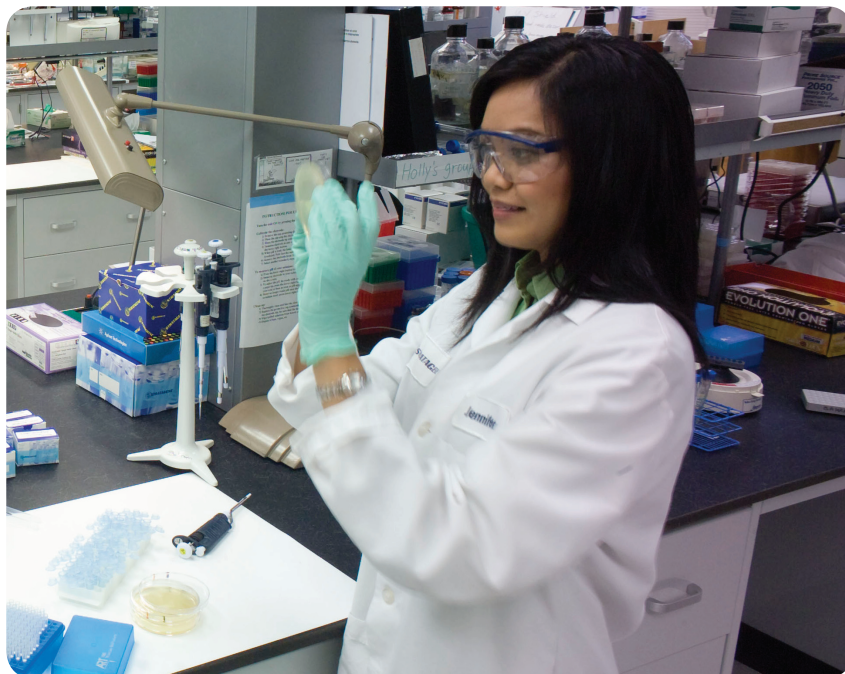
# Sample Preparation

The Stratagene highly popular, efficient, and effective Absolutely RNA product line delivers intact, pure, high-quality total RNA for every application, including real-time PCR. These complete kits include DNase treatment reagents for the complete removal of genomic DNA. For DNA extraction, we also offer genomic DNA extraction kits that use a wide range of sample inputs, from tissue and cultured cells to whole blood.

## Stratagene Absolutely RNA Purification Kits

Obtain freedom from genomic DNA contamination with Stratagene Absolutely RNA Kits. These kits offer easy-to-use methods that deliver high yields of intact, full-length DNA-free RNA that can be used for a variety of downstream applications. Additionally, these kits accommodate a wide range of sample types and amounts, allowing maximum flexibility. Stratagene Absolutely RNA Kits use a safe, rapid, phenol-free method that works with tissue or cultured cells. The method for all kits is simple. Isolation of total RNA is performed in a single spin cup to minimize potential loss of RNA during the procedure.

Absolutely RNA Kits	Quantity	Part Number
Absolutely RNA Miniprep Kit: Designed to produce high yields of pure total RNA from cells or tissue samples. Specifically qualified for RT-PCR and QRT-PCR	50 Preps	<b>400800</b>
Absolutely RNA Microprep Kit: Specifically optimized for efficient purification of DNA-free total RNA from cultured cells	50 Preps	<b>400805</b>
Absolutely RNA Nanoprep Kit: The only kit qualified to isolate concentrated total RNA from the smallest samples, down to a single cell	50 Preps	<b>400753</b>
Absolutely RNA FFPE Kit: Simple and reliable, non-toxic method to isolate quality RNA from paraffin embedded tissue sections	50 Preps	<b>400809</b>
Absolutely RNA 96 Microprep Kit: High-throughput RNA purification kit in a 96 well format	2 Plates	<b>400793</b>



## Stratagene StrataPrep Plasmid Miniprep Kit

Stratagene StrataPrep Plasmid Miniprep Kits provide a rapid, phenol-free method for purifying pure plasmid DNA. The bacteria is pelleted, lysed, and then neutralized. The precleared lysate is mixed with the DNA binding solution and transferred to the microspin cup. Once bound, the DNA is washed and then eluted from the column, ready for use.

StrataPrep Plasmid Miniprep Kit	Quantity	Part Number
For ultrapure, high-yield purification of plasmid or cosmid DNA up to 20 µg. Accommodates DNA from 2.9 kb plasmids and to 45 ktb cosmids. Contains: Solution 1, 2, 3, Wash buffer, Nuclease-removal buffer, Microspin cups, and receptacle tubes.	50 Preps	<b>400761</b>
For ultrapure, high-yield purification of plasmid or cosmid DNA up to 20 µg. Accommodates DNA from 2.9 kb plasmids and to 45 kb cosmids. Contains: Solution 1, 2, 3, Wash buffer, Nuclease-removal buffer, Microspin cups, and receptacle tubes.	250 Preps	<b>400763</b>

## Stratagene RecoverEase DNA Isolation Kit

Stratagene RecoverEase DNA isolation kit recovers high-molecular-weight (100 to 500 kb) genomic DNA that is fully hydrated and ready for multiple applications the next day. DNA can be isolated from whole tissues such as liver, spleen, kidney, brain, and testes without hazardous and tedious organic extractions or ethanol precipitations. The entire procedure requires less than 1 hour of hands-on time and one overnight incubation, so the DNA is ready for use the next day.

RecoverEase DNA Isolation Kit	Quantity	Part Number
Coarse filter cup, Dialysis cups, Cotton applicators, Lysis buffer, Digestion buffer, Proteinase K, RNase-it cocktail	30 Preps	<b>720202</b>
Coarse filter cup, Dialysis cups, Cotton applicators, Lysis buffer, Digestion buffer, Proteinase K, RNase-it cocktail	15 Preps	<b>720203</b>

## Ordering Information:

U.S. and Canada

**1-800-227-9770**

U.S. and Worldwide

To purchase online or find a customer  
center in your country, please visit

**[www.OpenGenomics.com/Order](http://www.OpenGenomics.com/Order)**

This information is subject to change without notice.

SYBR® is a registered trademark  
of Invitrogen Corporation

© Agilent Technologies, Inc. 2008  
Printed in USA, June 2008  
5989-8752EN

**STRATAGENE**

An **Agilent Technologies** Division