

# Epigenetics sample and assay technologies by QIAGEN

Trust in methylation analysis



Rely on QIAGEN epigenetics sample and assay technologies for:

- DNA purification
- Bisulfite conversion
- Whole bisulfite amplification
- Methylation-specific PCR
- Methylation detection and quantification with Pyrosequencing

ADNAEpigenetics030951VWV

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Sample & Assay Technologies

Submission  
deadline  
August 1

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Imagine standing on the podium at the Grand Hotel in Stockholm, making your acceptance speech. Imagine joining the ranks of those published in *Science* magazine and having your essay on your work in molecular biology read by your peers around the world. Imagine taking part in a seminar with the other Prize winners and Nobel Prize laureates and discussing your work with leaders in the field. Imagine what you could do with the \$25,000 prize money. Imagine what a brilliant start to your career, and where it could lead. Now stop imagining. If you were awarded your Ph.D in 2008, submit your 1000-word essay by August 1 and make it reality.



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\* For the purpose of this prize, molecular biology is defined as "that part of biology which attempts to interpret biological events in terms of the physico-chemical properties of molecules in a cell".

(*McGraw-Hill Dictionary of Scientific and Technical Terms*, 4th Edition).

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# Biacore systems



## from inspiration ...to publication

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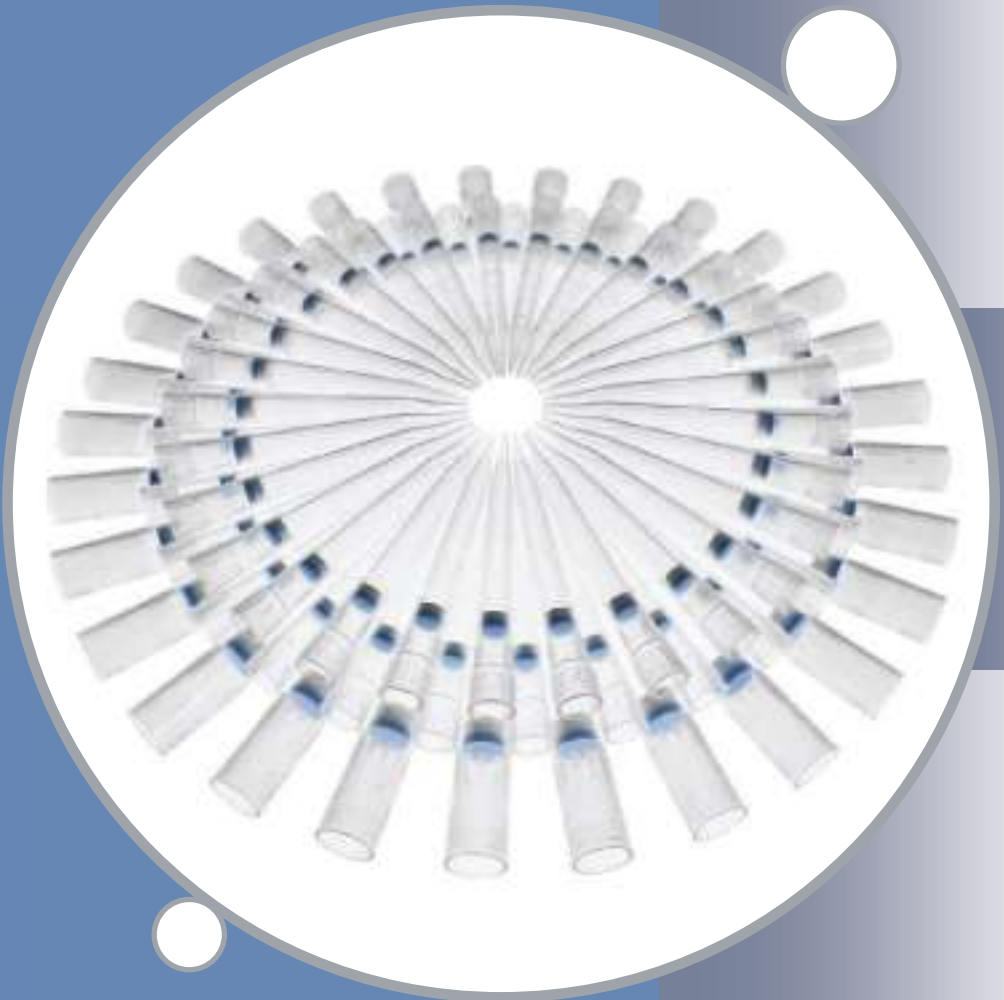
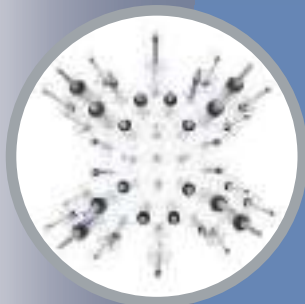
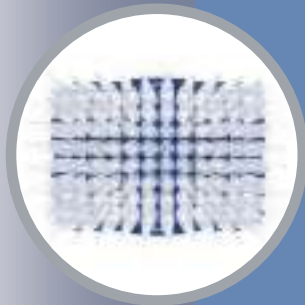
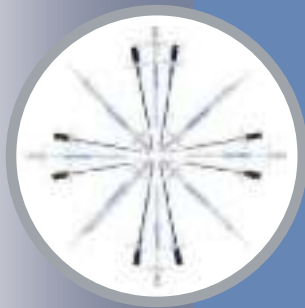
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imagination at work



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## Wellplate-Transfer Robot

The Wellplate-Transfer Robot System is an automated platform designed to handle multiwell microplates. At the center of the system is a mountable three-axis robot that automatically transfers standard wellplates from 11 slot hotels to an Applied Scientific Instruments (ASI) automated XY stage. The ASI stage provides high resolution and high repeatability and can be mounted onto any common research-grade inverted microscope. The focus can also be automated with one of ASI's DC servomotor Z-drives, which can be retrofitted to the fine-focus shaft of most microscopes or with one of ASI's patented piezo-Z top-plate stages for nanometer-scale focusing. The robot can be controlled through its Teaching Pendant or through RS-232 serial communication.

ASI/Applied Scientific Instrumentation

For information 800-706-2284

[www.ASIimaging.com](http://www.ASIimaging.com)



## TLC Plate Readers

The Chromascan and Chromascan Lite thin-layer chromatography (TLC) plate readers provide rapid, accurate documentation and analysis of nonradioactive TLC plates. Both lines feature a high-resolution 16-bit, color charge-coupled device camera inside a darkroom. It takes just a few simple mouse clicks and a few seconds for the instrument to provide accurate results as TLC plate images and chromatograms. These good-laboratory-practices compliant systems are compact enough to fit inside a fume hood and can be supplied with a computer or connected to one in the laboratory. The darkrooms are designed with overhead ultraviolet (254 nm and 365 nm) and white lighting to provide the flexibility to automatically image all fluorescent or visible TLC plates. The Chromascan darkroom is computer controlled and its camera has a motorized zoom lens with feedback, for full-process automation.

Syngene

For information 800-686-4407

[www.syngene.com](http://www.syngene.com)

## Microplate Mover

The Orbiter RS is a high-speed microplate mover offering reliable performance with flexible plate handling. Extensive vertical reach allows multiple stacked or high-density instruments to be loaded in a small footprint, and a bidirectional telescoping arm provides superior reach, improved user safety, and unlimited base rotations within a 360° workspace. It accommodates plate formats from shallow to deep well, in addition to tip boxes and lids, tubes, and racks. This flexibility is further supported by random or sequential plate access, and the ability to mix modes of storage as assay requirements change. For safety, the robotic arm is able to pass through the base and remain inside the rotating base while turning. It features closed-loop motion control, collision detection, and position recovery.

Thermo Fisher Scientific

For information 905-332-2000

[www.thermofisher.com](http://www.thermofisher.com)

## Microplate Handler

The BenchCel R-Series microplate handlers feature a high-speed robot that can access integrated microplate stacks and peripheral instruments. This customizable, modular design provides the flexibility and scalability required to meet the needs of the most diverse laboratory applications. They are available in two-rack, four-rack, and six-rack configurations, with options for rack capacity and style. Even the smallest instrument in the series can support three peripheral instruments, allowing customers to create highly configurable workstations that combine a broad range of functionality, including barcode labeling, microplate sealing, plate reading, centrifugation, and sophisticated liquid handling using Agilent or third-party peripherals. The series offers the convenience of being able to store and handle most types of microplates, lidded plates, tip boxes, and tube racks. A novel delidding function removes and replaces lids as needed.

Agilent Automation Solutions (formerly Velocity11)

For information +44-1763-269110

[www.velocity11.com](http://www.velocity11.com)

## Homogenizing System

The DPS-20 from Pro Scientific is a compact, dual-processing homogenizing system that combines the functions of mechanical and ultrasonic homogenizing for faster sample preparation. It features an innovative, three-in-one design and offers users the choice of a fully automated ultrasonic homogenizing configuration, fully automated mechanical homogenizing, or both. This advanced system offers optimum control and flexibility and can support a wide range of processing needs. The instrument can save time by merging the advantages of each homogenizing method for faster and more efficient sample breakdown. Its automation capacity allows for repeat processing and consistent results.

Scientific Laboratory Supplies

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- Combining Molecular Targeted Therapies
- Epigenetics and Emerging Targets
- Companion Diagnostics and Biomarkers
- Regulatory Pathways and Perspectives

## *Innovations in Discovery Science, Translational Research and Cancer Clinical Trials*

### Conference Keynote

**From Empiric to Specific: How Can We Translate Science into Cancer Treatments and Get it Right More Reliably?**



**George D. Demetri, M.D.**  
*Director, Ludwig Center at Dana-Farber/  
Harvard Cancer Center  
Center for Sarcoma and Bone Oncology  
Dana-Farber Cancer Institute*

### Featured Presentation

**The Evolving Treatment Paradigm in Multiple Myeloma**

**Kenneth C. Anderson, M.D.**  
*Chief, Division of Hematologic Neoplasia,  
Dana-Farber Cancer Institute  
and Kraft Family Professor of Medicine,  
Harvard Medical School*

### Debate and Discussion:

#### Point:

The current approach to first-in-class innovation in oncology isn't working

#### Counterpoint:

Novel target discovery platforms are feeding innovation in oncology

### Plenary Keynote

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**Takashi Shoda**  
*President and CEO,  
Daiichi Sankyo Co., Ltd.,  
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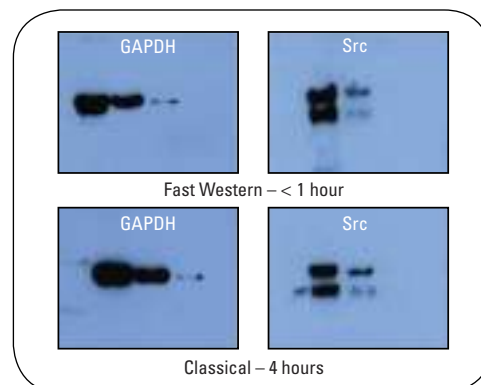


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- Fast – all the sensitivity you need in a fraction of the time; save 3-4 hours per blot over traditional blotting methods
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Target proteins were probed using a classical Western blot procedure (3-4 hours) and the Fast Western Blot Kit procedure (55 minutes).