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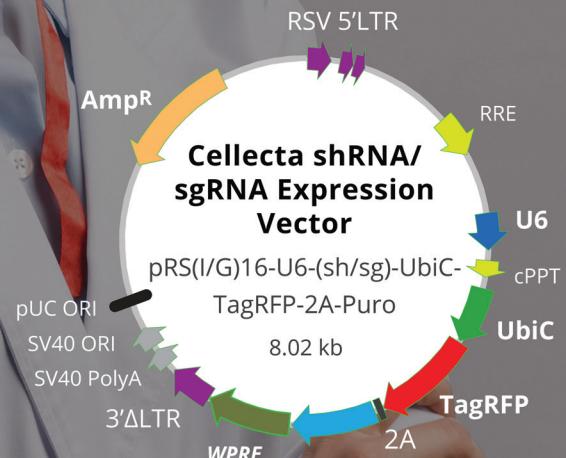
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# DNA METHYLATION CONTROLS

Keep Your DNA Methylation Experiments in Control

## AVAILABLE CONTROLS

- High or Low Methylated DNA
- Methylation Calibration Standards
- Human, Mouse, Rat, Monkey, and Custom-Made Controls



## DNA METHYLATION ANALYSIS

### Targeted Bisulfite NGS (tNGBS)

- Single base-pair resolution
- Provide  $\beta$ -value methylation results
- High coverage with average  $>500x$  and a minimum  $100x$

### Pyrosequencing Methylation Analysis

- Quantitative, accurate, and cost-effective



## DNA METHYLATION ASSAY KITS

### Line-1 Global Methylation Assay

- Represents  $\sim 17\%$  of the human genome
- Serves as global methylation markers
- Compatible: MS-HRM, tNGBS, and Pyrosequencing

### Foxp3 Methylation Assay Panels

- Quantify methylation levels in Treg signature genes, including Foxp3, CTLA4, IL2RA (CD25)
- Compatible: MS-HRM, tNGBS, and Pyrosequencing

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## The New Vortex Mixer

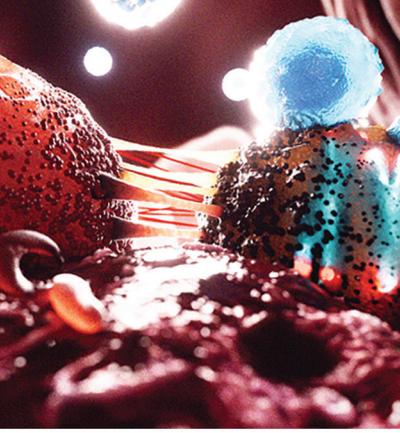
- Mix and vortex in one compact device
- Precisely set speed and duration controls
- Glove compatible touchscreen
- Quickly vortex tubes with just one touch

The Vortex Mixer is ideally suited for assay protocols that require gentle mixing, all the way up to resuspensions that require vigorous vortexing. Find out more at [usascientific.com/vortex\\_mixer](http://usascientific.com/vortex_mixer).



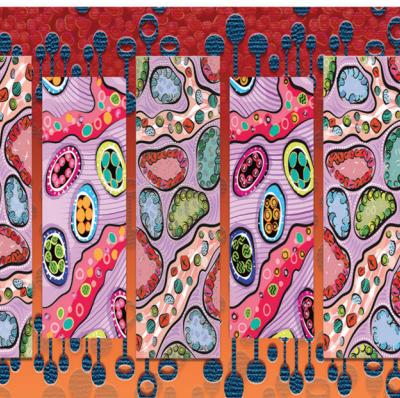
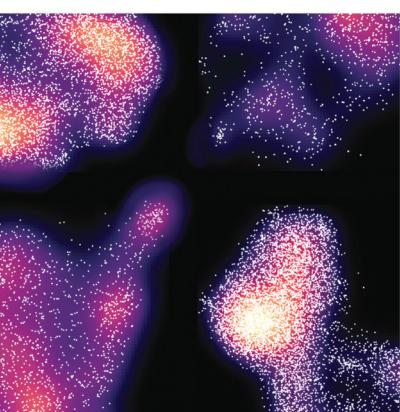
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# 2024 SCIENTIFIC CONFERENCES

Presenting the most significant research on cancer etiology, prevention, diagnosis, and treatment



## Bladder Cancer: Transforming the Field

May 17-20, 2024 | Charlotte, NC

Conference Cochairs: Lars Dyrskjøt Andersen, Donna E. Hansel, Dan Theodorescu, and Tahlita C. M. Zuiverloon

## Expanding and Translating Cancer Synthetic Vulnerabilities

June 10-13, 2024 | Montreal, Quebec, Canada

Conference Cochairs: Kimberly Stegmaier, E. Alejandro Sweet-Cordero, Michael Erb, and Kris C. Wood

## Fourth AACR International Meeting

### Advances in Malignant Lymphoma: Maximizing the Basic-Translational Interface for Clinical Application

In Cooperation with the International Conference on Malignant Lymphoma (ICML)  
In Association with *Blood Cancer Discovery*

June 19 - 22, 2024 | Philadelphia, PA

Conference Chair: Michael R. Green  
Conference Cochairs: Francesco Bertoni\*, Christopher R. Flowers, Ari M. Melnick, Laura Pasqualucci, and Margaret A. Shipp  
\*International Conference on Malignant Lymphoma (ICML) Representative

## Advances in Pediatric Cancer Research In Collaboration with the AACR Pediatric Cancer Working Group (PCWG)

September 5-8, 2024 | Toronto, ON, Canada

Conference Cochairs: Alejandro Gutierrez, Cynthia E. Hawkins, Andrea A. Hayes, and Gilles Vassal

## Pancreatic Cancer

September 15-18, 2024 | Boston, MA

Conference Cochairs: Peter J. Allen, Stephanie K. Dougan, Michael A. (Tony) Hollingsworth, and Alec C. Kimmelman

## 17th AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved In Association with the AACR Minorities in Cancer Research Council

September 21 - 24, 2024 | Los Angeles, CA

Conference Cochairs: Moon S. Chen, Melissa B. Davis, Carmen E. Guerra, Ruben A. Mesa, Jasmine Plummer and Susan M. Shinagawa

## Tumor Immunology and Immunotherapy In Association with the AACR Cancer Immunology Working Group (CIMM)

October 18-21, 2024 | Boston, MA

Conference Cochairs: Yvonne Y. Chen, Sergio Quezada, Robert D. Schreiber, and Fernando Vidal-Vanaclocha

## EORTC-NCI-AACR Symposium on Molecular Targets and Cancer Therapeutics

October 23-25, 2024 | Barcelona, Spain

Conference Cochairs: E.G. Elisabeth de Vries, Tim F. Greten, and Timothy A. Yap

## Liquid Biopsy: From Discovery to Clinical Implementation

November 13-16, 2024 | San Diego, CA

Conference Cochairs: Catherine Alix-Panabières, Luis A. Diaz, Jr., Maximilian Diehn, Y.M. Dennis Lo, and Klaus Pantel

## RNAs as Drivers, Targets, and Therapeutics in Cancer

November 14-17, 2024 | Bellevue, WA

Conference Cochairs: Howard Y. Chang, Joshua T. Mendell, Anastasia Khvorova, and V. Narry Kim

Learn more and register at  
[AACR.org/Calendar](https://AACR.org/Calendar)

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## Automated NGS Library Prep

Save time and money by automating your NGS library prep with the Mantis® Liquid Dispenser and the F.A.S.T.™ Liquid Handler



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- Cost-effective (save up to 10X on reagents)
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- Increase throughput
- CSV file input and open API for integration

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- Mantis dispenses buffers, reaction master-mixes, beads and primers
- F.A.S.T. transfers samples and index primers, aspirates supernatant and mixes reagents
- Built-in wizards for normalization, picklist, pooling and serial dilutions



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