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Ion AmpliSeq On-Demand Panels help you get more from targeted next-generation sequencing

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- **Now more sizes**—order the exact quantity you need: 8, 24, 32, and 96 reactions per pack

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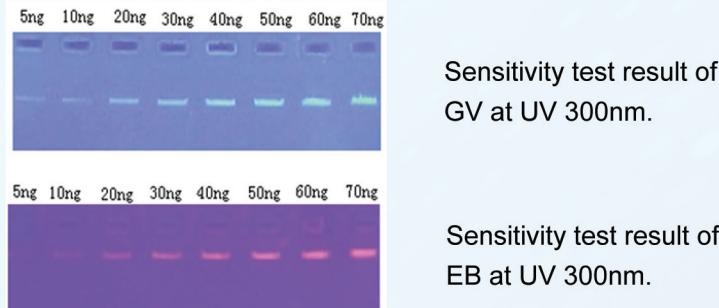
10X GENOMICS®

GoodViewTM Nucleic Acid Stain

——An alternative to EB

GoodViewTM is a new nucleic acid stain, an alternative to the traditional ethidium bromide (EB) stain for detecting nucleic acid in agarose gels. It emits green fluorescence when bound to DNA or RNA. This new stain has two fluorescence excitation maxima when bound to nucleic acid, one centered at 268 nm and another at 294 nm. In addition, it has one visible excitation at 491 nm. The Fluorescence emission of GoodViewTM bound to DNA is centered at 530 nm.

Comparative sensitivity test of GV and EB



The result of electrophoresis demonstrates GV is almost as sensitive as EB.

The Test Report from Institute for Environmental Health and Related Product Safety of Chinese Center for Disease Control and Prevention concludes that:

- ◆ Acute Oral Toxicity Test: GoodViewTM Nucleic Acid Stain belongs to nontoxic.
- ◆ Mouse Marrow Chromophilous Erythrocyte Micronucleus Test: Negative. There is no significant difference in the incidence of micronuclei between test and control groups.
- ◆ Ames Test: Negative. No mutagenicity was observed.
- ◆ In Vitro Mammalian Cell Chromosome Aberration Test: Negative. No increasing aberration rate was observed.

The test report is available upon request.



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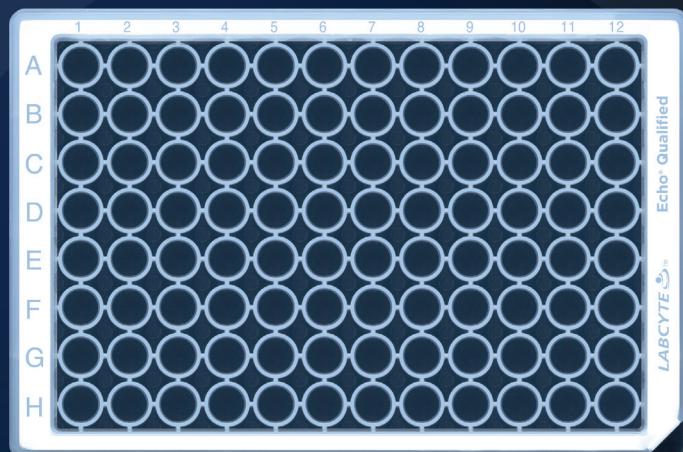


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**INTEGRATIVE CANCER SCIENCE
GLOBAL IMPACT
INDIVIDUALIZED PATIENT CARE**



#AACR19



AACR.org/AnnualMeeting

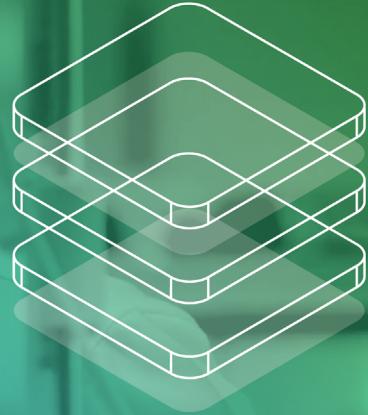
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2019 CSHL Meetings & Courses

meetings.cshl.edu

aerial view of CSHL sandspit and inner harbor during meeting social

Meetings

Systems Immunology March 13 - 16

Network Biology March 19 - 23

RNA & Oligonucleotide Therapeutics March 27 - 30

Blood Brain Barrier April 3 - 6

Cellular Dynamics & Models April 9 - 12

Ubiquitin, Autophagy & Disease April 23 - 27

Telomeres & Telomerase April 30 - May 4

The Biology of Genomes May 7 - 11

Mechanisms of Metabolic Signaling May 14 - 18

Retroviruses May 20 - 25

84th Symposium: RNA Control & Regulation

May 29 - June 3

Microbiome July 18 - 21

Cell Death August 13 - 17

Eukaryotic mRNA Processing August 20 - 24

Mechanisms of Eukaryotic Transcription August 27 - 31

Eukaryotic DNA Replication & Genome Maintenance

September 3 - 7

Microbial Pathogenesis and Host Response

September 10 - 14

Stem Cell Biology September 17 - 21

Biology of Cancer: Microenvironment & Metastasis

September 24 - 28

Neurobiology of *Drosophila* October 1 - 5

Genome Engineering: Frontiers of CRISPR/Cas

October 10 - 13

Yeast, an Experimental Organism: Past, Present, and Future October 23 - 26

Genome Informatics November 6 - 9

Single Cell Analyses November 13 - 16

Zebrafish Neural Circuits & Behavior November 20 - 23

Plant Genomes, Systems Biology and Engineering
December 4 - 7

Development and 3D Modeling of the Human Brain
December 9 - 12

Spring/Summer Courses

High-Throughput Biology: From Sequence to Networks

March 11 - 17

Cryoelectron Microscopy March 14 - 27

Workshop on Leadership in Bioscience March 22 - 25

Quantitative Imaging: From Acquisition to Analysis

April 2 - 16

Cell & Developmental Biology of *Xenopus* April 3 - 16

Expression, Purification & Analysis of Proteins & Protein Complexes April 3 - 16

Advanced Bacterial Genetics June 4 - 24

Ion Channels in Synaptic and Neural Circuit Physiology June 4 - 24

Mouse Development, Stem Cells & Cancer June 5 - 24

Metabolomics June 8 - 24

Vision: Linking Circuits, Perception and Behavior
June 12 - 26

Statistical Methods for Functional Genomics June 28 - July 11

Advanced Techniques in Molecular Neuroscience

June 28 - July 13

Single Cell Analysis June 28 - July 13

***Drosophila* Neurobiology: Genes, Circuits & Behavior**
June 28 - July 18

Frontiers & Techniques in Plant Science

June 28 - July 18

Neural Data Science July 13 - 26

Synthetic Biology July 23 - August 5

Chromatin, Epigenetics and Gene Expression
July 23 - August 11

Imaging Structure & Function in the Nervous System
July 23 - August 12

Yeast Genetics & Genomics July 23 - August 12

Workshop on Autism Spectrum Disorders
July 29 - August 4

Neuroscience of Addiction August 6 - 12

Proteomics August 7 - 20



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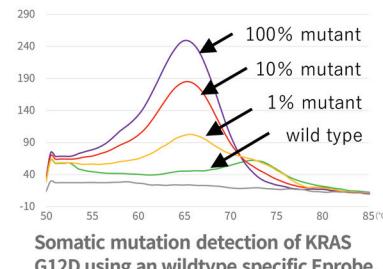
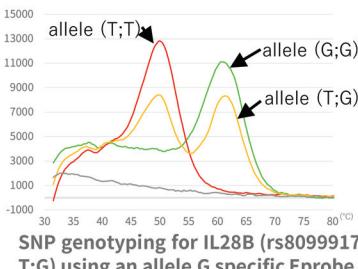
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A novel solution for SNP/somatic mutation detection

Eprobe is a **DNA-based fluorescent probe** which emits fluorescence when specifically binding to a complementary strand. Melting curve analysis after PCR can detect **SNP genotype** and **somatic mutations**. Two fluorescent dyes (thiazole orange and thiazole pink) are available.

- **High resolution SNP detection**—Increased Tm (approx.10°C) by the thiazole orange enables a shorter probe design and a clearer distinction of SNPs
- **Simple and highly sensitive somatic mutation detection**—sensitive detection of somatic mutations (down to 0.1%) can be achieved by suppression of PCR amplification of wild-type alleles by Eprobe (PCR clamping)
- **Compatible with most real time PCR instruments**—fluorescence emitted by Eprobe can be detected using a filter for SYBR® Green I* *SYBR® is a registered trademark of Molecular Probes, Inc.
- **Easy to use online design tools**—a design tool for a primer/Eprobe (E-design, www.dnaform.com/edesign2/) and a thermodynamic calculation tool (ECHO, www.dnaform.com/devel/echo/thermodynamics/) are available



Fluorophore (excitation/emission)	1.5 nmol	3.0 nmol	5.0 nmol	10.0 nmol
Thiazole orange (510 nm / 530 nm)	19,000 JPY -38,000 JPY	30,000 JPY -60,000 JPY	45,000 JPY -90,000 JPY	70,000 JPY -140,000 JPY
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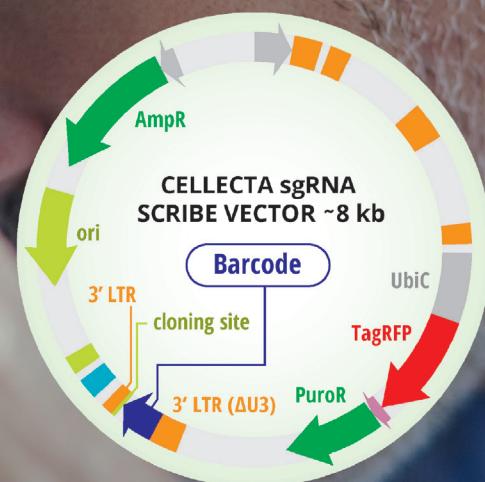


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