

Forefront of Gene Therapy Manufacturing

FROM BENCH TO BEDSIDE



AFFORDABLE

Providing low-cost, high-quality vectors for use in cells, small/large animal models and in the clinic. Scalable proprietary transfection process, providing the benefit of higher cost-effectiveness.



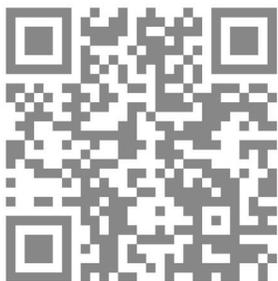
RESEARCH TOOLS

High Titer, High Purity. Rapid turn around times. Additional research tools include AAV Biosensors - GCaMP, RCaMP, CaMPARI, jRGECO1; ORF clones, ZIKA, viral controls.



PRE-CLINICAL/CLINICAL

Providing custom, on-demand virus for pre-clinical and clinical applications. Additional services: Master and Working cell banking, Aseptic filling, QC testing. Compliant with US FDA and EU EMA regulatory requirements.



Feature Viral Vector Application Note.

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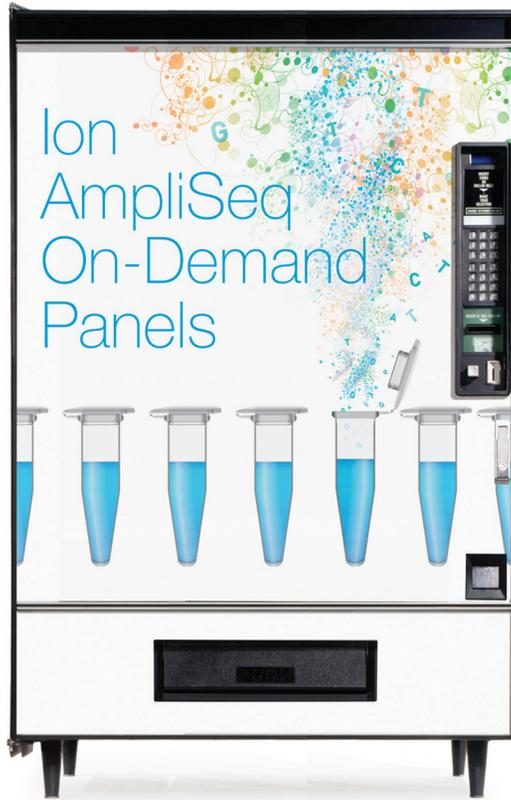
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Gene panels on demand, how and when you want them

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

- **Now more selection**—build custom panels from a growing catalog of **over 5,000 pretested genes** most relevant in inherited disease research*
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EORTC-NCI-AACR

MOLECULAR TARGETS AND CANCER THERAPEUTICS SYMPOSIUM

November 13-16, 2018 | The Convention Center Dublin | Dublin, Ireland

Register and Save by: Friday, October 12, 2018

SCIENTIFIC COMMITTEE COCHAIRS



Charles Swanton

The Francis Crick Institute and UCL Cancer Institute, London, England (EORTC)



James L. Gulley

National Cancer Institute, Bethesda, Maryland (NCI)



Antoni Ribas

UCLA Medical Center, Los Angeles, California (AACR)

ABOUT THIS CONFERENCE

Hosted by the European Organisation for Research and Treatment of Cancer (EORTC), the National Cancer Institute (NCI), and the American Association for Cancer Research (AACR), the 2018 Symposium brings together academics, scientists, and pharmaceutical industry representatives from across the globe to discuss the latest innovations in drug development, target

selection, and the impact of new discoveries in molecular biology. Building on the success and focus of previous highly acclaimed symposia, this drug development and translational research meeting, focusing on preclinical and phase I studies, will enable delegates to hold in-depth scientific discussions on the latest developments in targets and drugs.

Learn more and register at AACR.org/Targets18

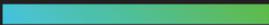
#TARGETS18



Introducing



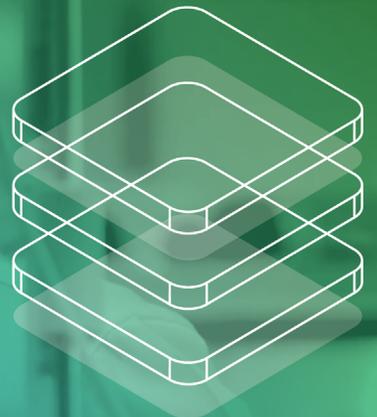
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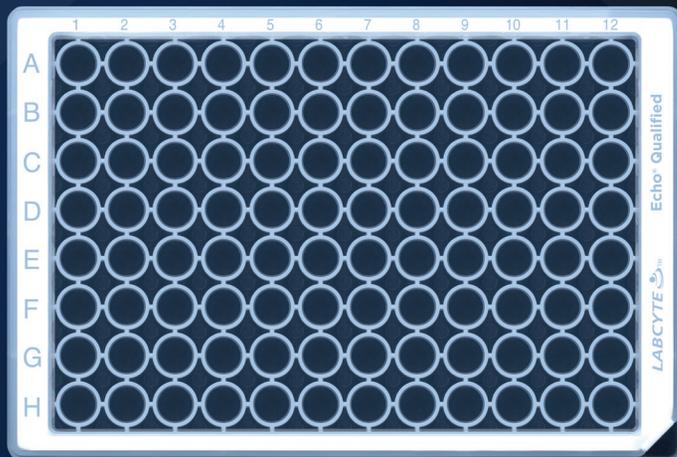
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- Reliable, consistent results
- Available both as ready-to-use mix and a set

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- cDNA synthesis
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- DNA labeling
- Mutagenesis

Quality control

- Purity assay (HPLC) >99%
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- DNase, RNase and nickase free
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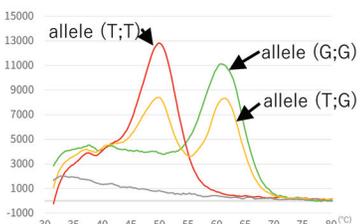
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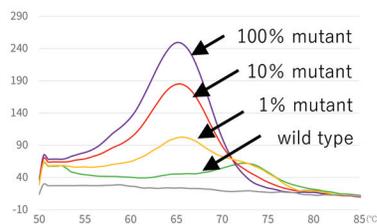
A novel solution for SNP/somatic mutation detection

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 T_m (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



SNP genotyping for IL28B (rs8099917 T;G) using an allele G specific Eprobe



Somatic mutation detection of KRAS G12D using an wildtype specific Eprobe.

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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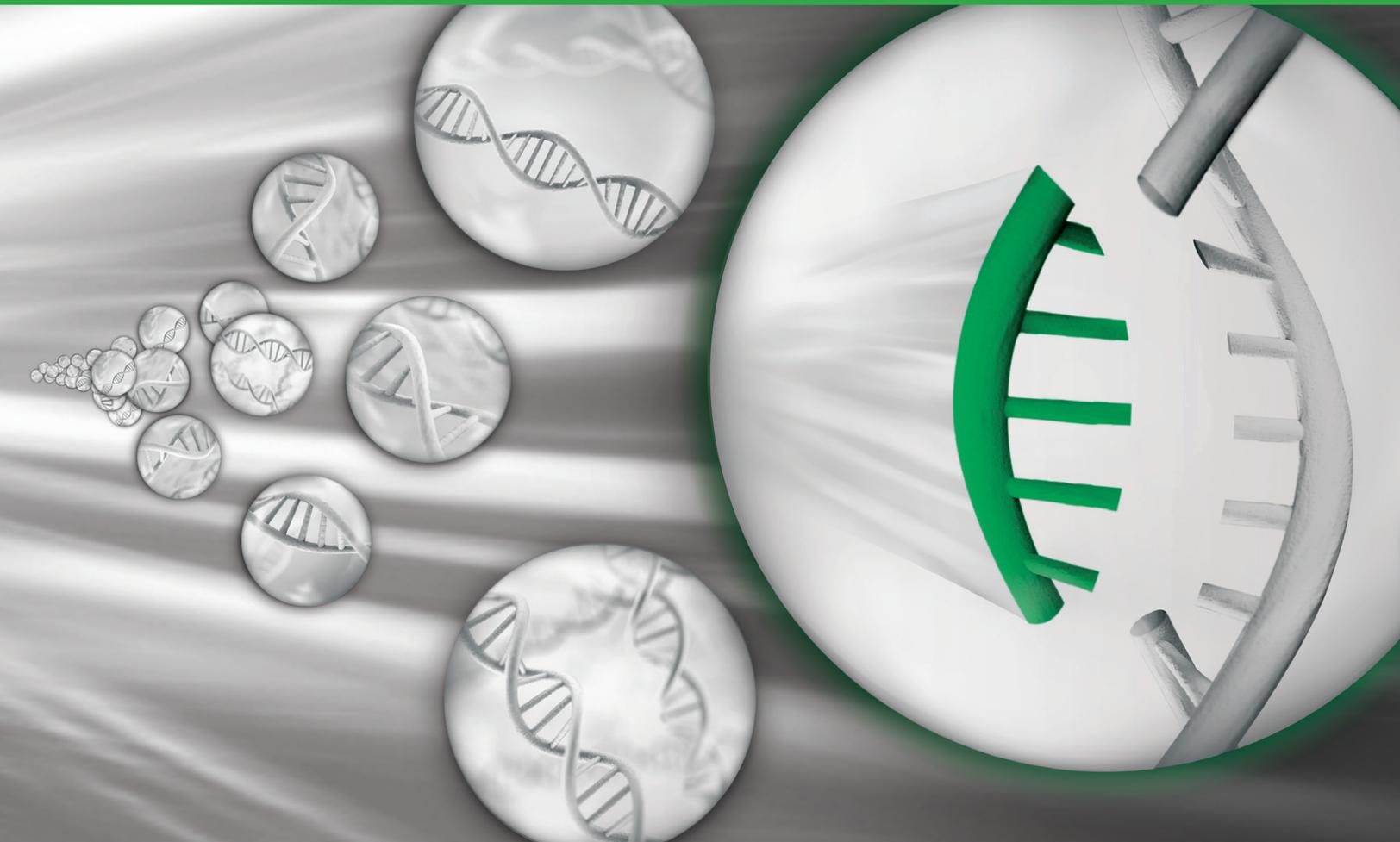
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