SBS Genetech Co., Ltd.

RT-qPCR Enzyme Portfolio

Trusted Brand Name with Cost Effective Products

MMLV Reverse Transcriptase

Eliminating the active center of RNase H through multiple point mutations

US$1.5 per KU for 1,000 KU or more

Decreased activity of RNase H

Decreased RNA degradation

Increased yield of full length first-strand cDNA

Increased thermal stability

RNasin (RNase inhibitor)

Inhibits the activity of RNase by specifically binding up to RNase with a non-covalent bond in **wide pH and temperature range**

Electrophoresis grade quality and free of RNase or Nickase

US$10 per KU for 100 KU or more

U-Taq DNA Polymerase

A thermostable enzyme that can withstand prolonged incubation at temperature up to 95°C

US$6 per KU for 200 KU or more

Has a 5′→3′ DNA polymerase activity

Extension rate is 2~4 kb/min

Suitable for T-A cloning

Ready for this new experience?

Please contact tech@sbsbio.com

bionano GENOMICS

DISCOVER NEXT

REVEAL STRUCTRUAL VARIATION LIKE NEVER BEFORE WITH BIONANO GENOME IMAGING

The Saphyr System images and analyzes ultra-long, linearized DNA molecules labeled at specific sequence motifs for ultra-sensitive, ultra-specific structural variant detection.

Unparalleled Structural Variation Detection
Genome-wide detection of SVs >500 bp to chromosome-arm length at up to 99% sensitivity and <2% false positive rate

Powerful Complement to Sequencing
Discover novel disease-associated SVs missed by NGS and long-read sequencers with sensitivities down to 1% allele frequency

Confident Answers
High concordance to SVs reported by FISH, karyotyping and chromosomal microarrays

Comprehensive Workflow
Robust and streamlined assay, automated for a short turnaround time as little as 4 days

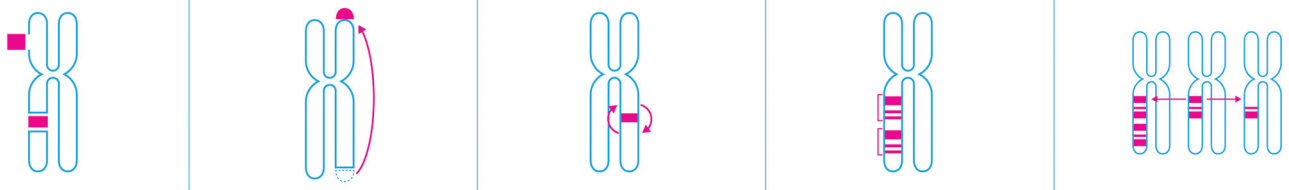
VISIT US AT AACR BOOTH #637

Attend our workshop at AACR to see how Genome imaging is a new breakthrough genomics tool for evaluating the molecular basis of cancer and for studying ecDNA

MONDAY, APRIL 27 | 10:00AM – 11:00 AM

SPOTLIGHT THEATER C

SAPHYR SYSTEM DETECTS VARIANTS OTHER TECHNOLOGIES MISS



Homozygous insertions/deletions larger than 500 bp	**Balanced and unbalanced translocations** larger than 50 kbp	**Inversions** large than 30 kbp	**Duplications** larger than 30 kbp	**Copy number variations** larger than 500 kbp
99% sensitivity	**95% sensitivity**	**99% sensitivity**	**97% sensitivity**	**97% sensitivity**

False-positive as low as 2%

Learn more at **www.bionanogenomics.com**.

MR DNA

MOLECULAR RESEARCH, LP

RAPID DISCOVERY, MAINTAINED INTEGRITY

5Mb Long Read Genome Sequencing with 30x Coverage: As low as $500

30mb Genome Sequencing with 40x Coverage: As Low as $380

WWW.MRDNALAB.COM

INFO@MRDNALAB.COM

806-789-7984

503 CLOVIS RD.
SHALLOWATER, TX 79363

Take Advantage of Our Low Pricing:

- ***Genome Sequencing: Starting at $330***
- ***Targeted Sequencing (<400bp) : $50/Assay***
- ***MiSeq 2x300bp: Starting at $60/Assay***
- ***Total RNA-Sequencing: Starting at $360***
- ***Long Read Sequencing (up to 3Kb): $100***

Need Your Data Fast!!??
Ask Us About Expedited Turnaround Times.
You Can Receive Your Data in as little as 1 Week !!

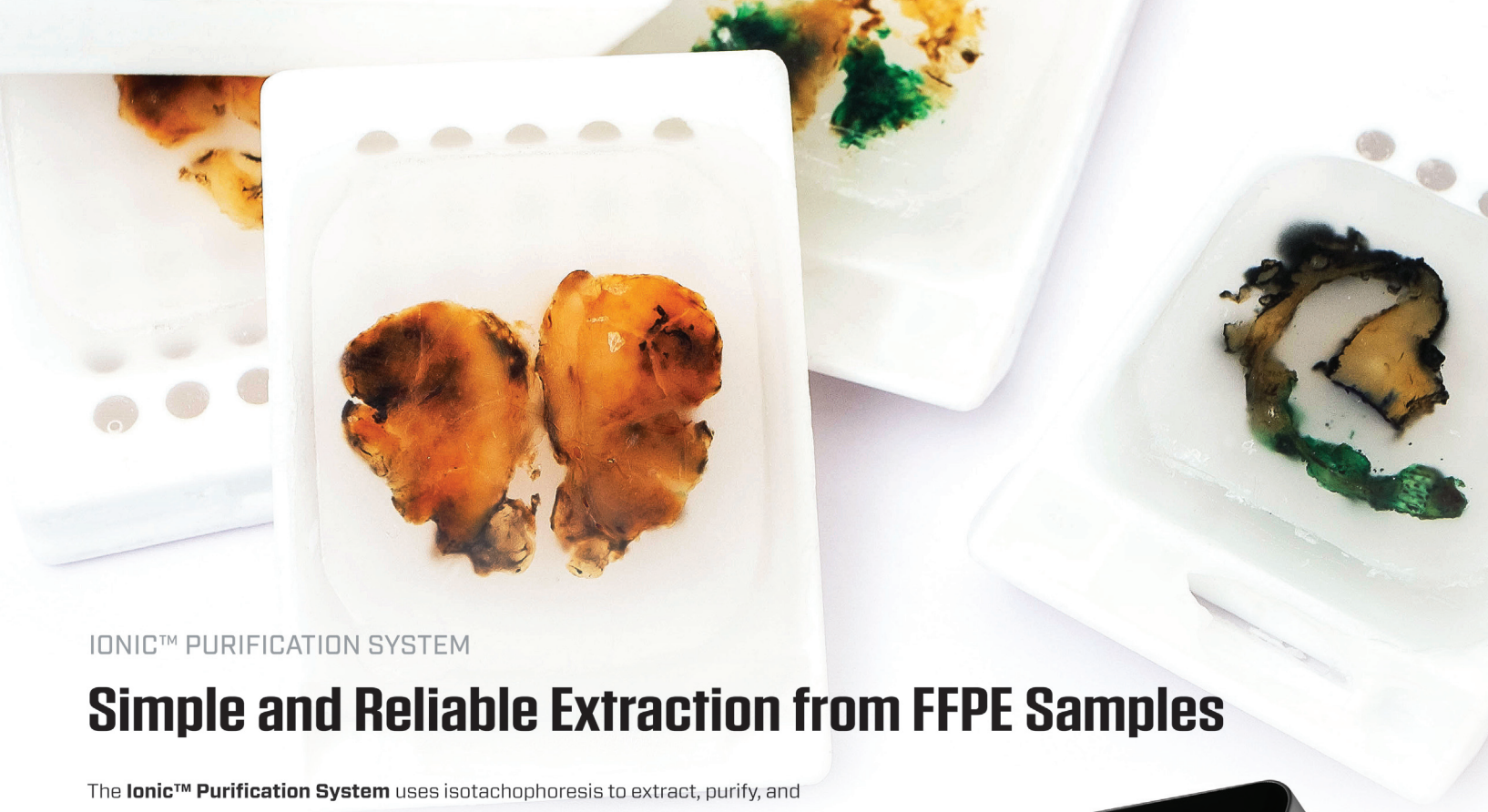
Why Choose Us?

- We offer a wide range of sequencing platforms including the Illumina NovaSeq 6000, Illumina MiSeq, PacBio Sequel, and more...
- Members of our team have over 20 years of continuous Applied Bioinformatic and NGS experience.
- Need Post-Sequencing Support? We've got you covered! MRDNA offers free software tools and additional bioinformatic and biostatistical analysis services.

About Us

At MRDNA, it is our mission to offer our colleagues access to rapid DNA and RNA sequencing at an affordable cost. As your leading NGS service provider, we remain diligent in staying abreast with the most recent scientific literature and NGS techniques. With a client-base spanning a wide range of fields, including agrigenomics, environmental biodiversity, microbial genomics/transcriptomics, and everything in between, our team is sure to be able to help you with your next sequencing project.

Scot E. Dowd, PhD.
CEO and Laboratory Director



IONIC™ PURIFICATION SYSTEM

Simple and Reliable Extraction from FFPE Samples

The **Ionic™ Purification System** uses isotachophoresis to extract, purify, and concentrate nucleic acid from biological samples without binding, washing, or stripping from fixed surfaces. Since nucleic acids remain in their native form, not denatured or dehydrated, the Ionic system produces more nucleic acid with higher quality – an ideal solution for low-quality samples or samples with limited starting material.

- **Simplify Lysis**
  Deparaffinize, lyse, and de-crosslink in a single reaction without using harsh chemicals
- **Eliminate Bias**
  Extract targeted nucleic acid regardless of fragment length or GC content
- **Minimize User Involvement**
  Extract and purify 8 samples in one hour with just 3 minutes of hands-on time per sample
- **Improve Reliability**
  Minimize user-to-user variability, cross-contamination, and sample loss

For more information, contact **info@purigenbio.com**.

NUCLEIC ACID PURIFICATION
PURE AND SIMPLE™

PURIGEN™
BIOSYSTEMS

FOR RESEARCH USE ONLY. Not for use in diagnostic procedures.

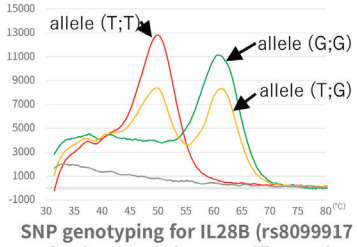
www.purigenbio.com/**ffpe**

Eprobe® / Eprimer™ fluorescent probe

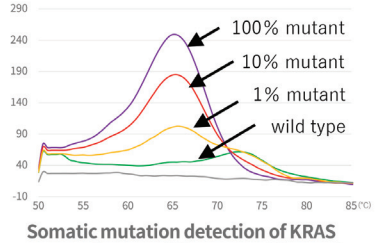
A novel solution for SNP/somatic mutation detection

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



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



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

Fluorphore (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~~
Thiazole pink (570 nm / 590 nm)	45,000 JPY	70,000 JPY	110,000 JPY	170,000 JPY

Special offer for new customers

50% OFF the list price!

All Thiazole orange-labeled products

Learn more at

www.dnaform.jp/en/products/fluorecent_oligonucleotide/eprobe_eprimer/

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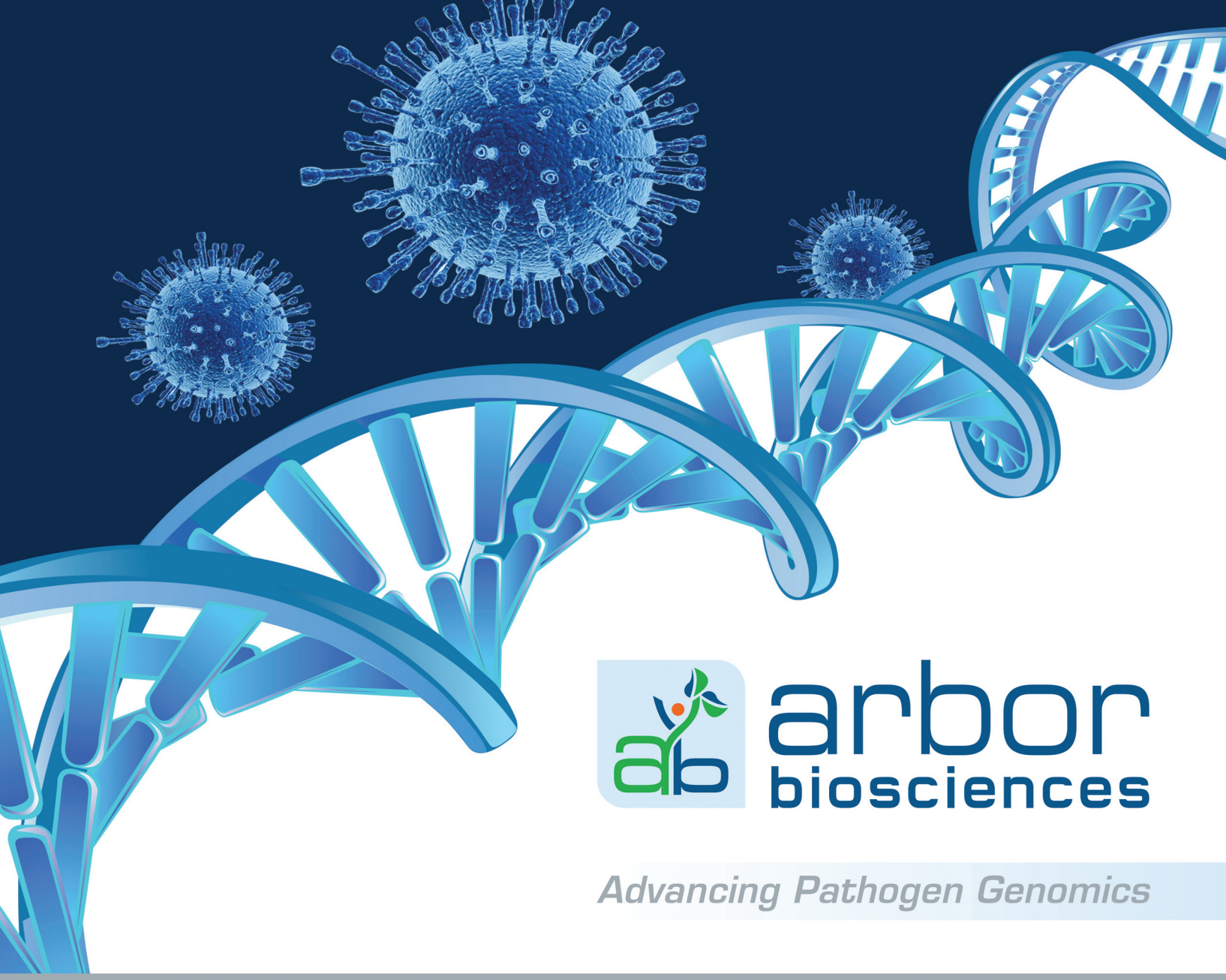
Precision gene technologies
contact@dnaform.jp



arbor biosciences

Advancing Pathogen Genomics

myBaits®

myBaits® Custom Panels for Pathogen Sequencing

Whole genome enrichment of pathogens from native environments

Generate orders of magnitude enrichment of pathogen DNA or RNA from naturally complex samples, including bacterial, fungal, and viral pathogens, with hybridization-based target capture kits.

- Generate whole genome sequences of bacteria, fungi, and viruses
- Achieve >250-fold enrichment of pathogens from NGS libraries
- Easily detect any type of mutation; SNPs, indels, rearrangements

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