

Study m6A Modifications Like Never Before

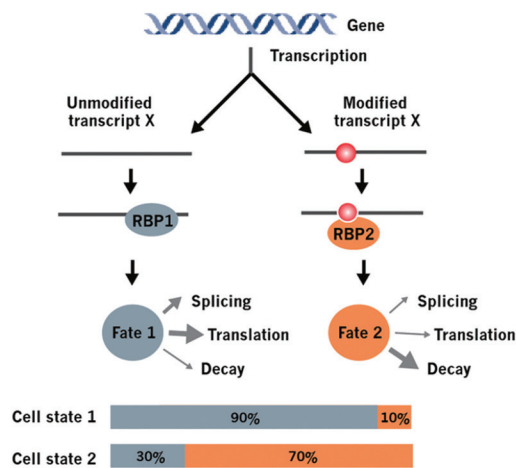


Fig. 1. m6A modified RNAs are immunoprecipitated and compared with the input RNAs in two-color channels of the Epitranscriptomic Array to accurately measure the modification percentage and abundance level for each transcript. The percentage of modification of “transcript a” RNA determines its different cell fates, e.g. for protein translation or RNA decay.

Epitranscriptomic Array

- Quantifying the percentage of modification for each transcript
- Coverage of mRNAs, lncRNAs, circRNAs and more
- RNA modifications at transcript-specific level
- Low sample amount, starting from 1 ug total RNA

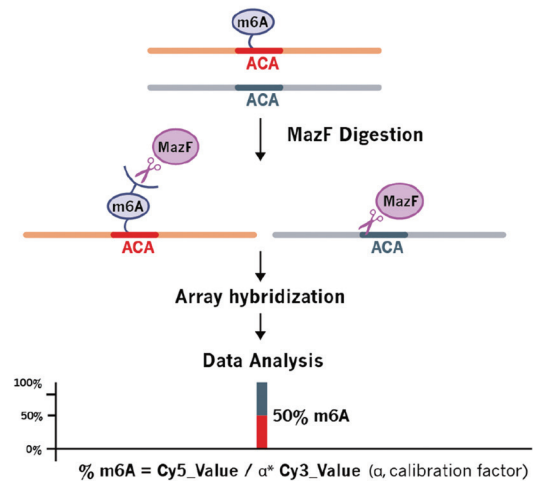
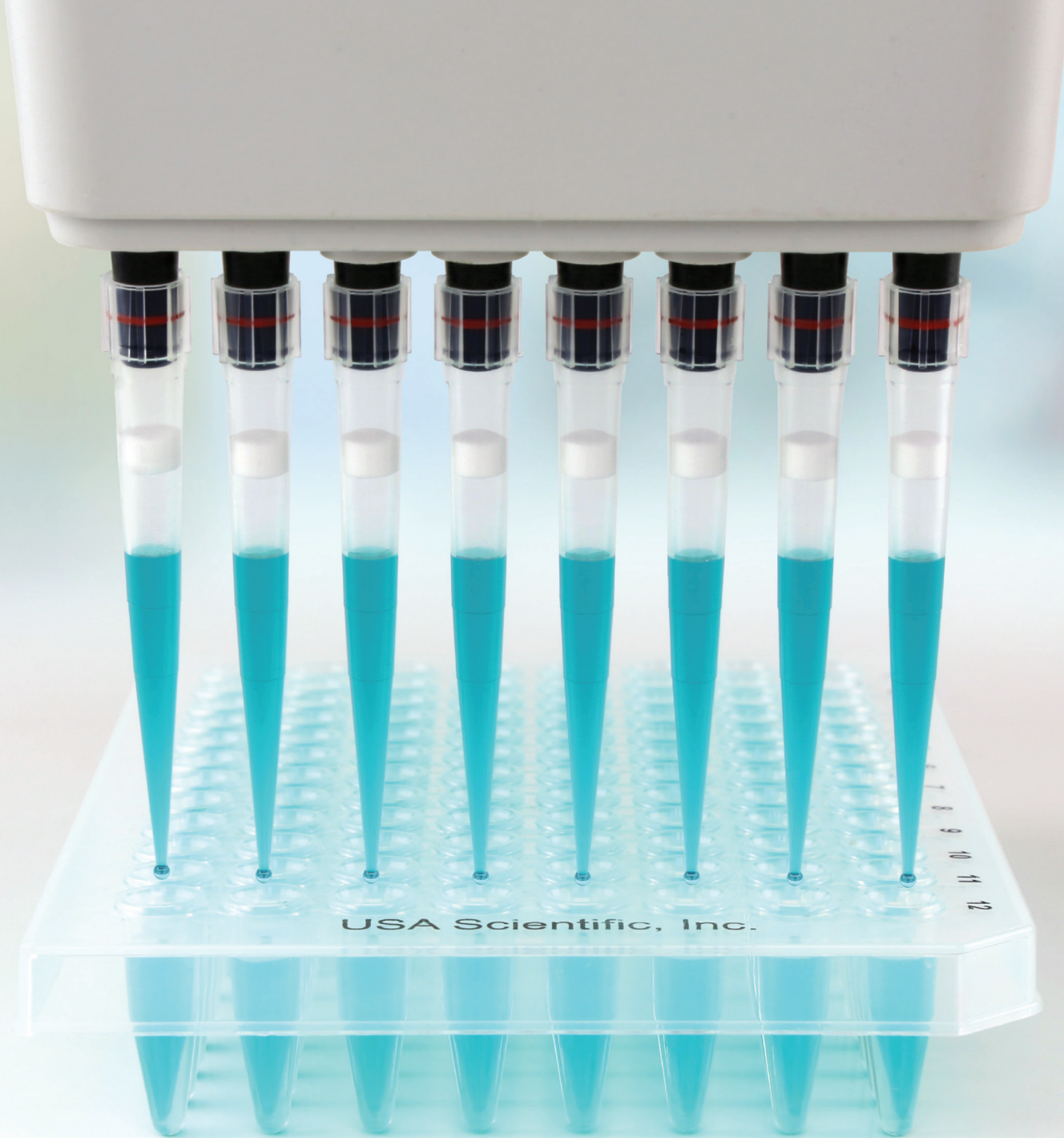


Fig. 2. Unmethylated (ACA) sites, but not methylated (m6ACA) sites, are cleaved by RNase MazF. The MazF treated and corresponding untreated sites are compared in two-color channels of the m6A Single Nucleotide Array to accurately quantify the m6A modification percentage, and abundance level at precise single nucleotide resolution.

m6A Single Nucleotide Array

- A new orthogonal methodology for m6A detection
- Single-Nucleotide resolution for m6A site location
- Quantifying the percentage of m6A site modification
- Reliable m6A site collection and systematic annotations
- Low sample amount, starting from 1 ug total RNA



Proven to block >99% of aerosol contaminants*

Eliminate harmful aerosol transfers between samples with TipOne® filter tips. Pipetting generates aerosols that can be transferred from one sample to another. The right filter tips can prevent contamination of sensitive experiments and loss of time and/or are samples. Our ultra high density filters are proven to block >99% of aerosol contaminants.

With TipOne, your results will not be compromised by potentially bioactive ingredients.

TipOne® Filter Tips:

- Filters block >99% of aerosols*
- No additives that could interfere with samples
- Secure tip fit with low application force
- Convenient hinged racks
- Empty racks can be refilled with other TipOne tips
- Fully traceable lot numbers on each rack
- TipOne is manufactured in the USA

*Original TipOne with ultra high density filters. Additional information and product sizes available at www.usascientific.com. Sterilized and certified free of detectable RNase, DNase, DNA, and pyrogens.

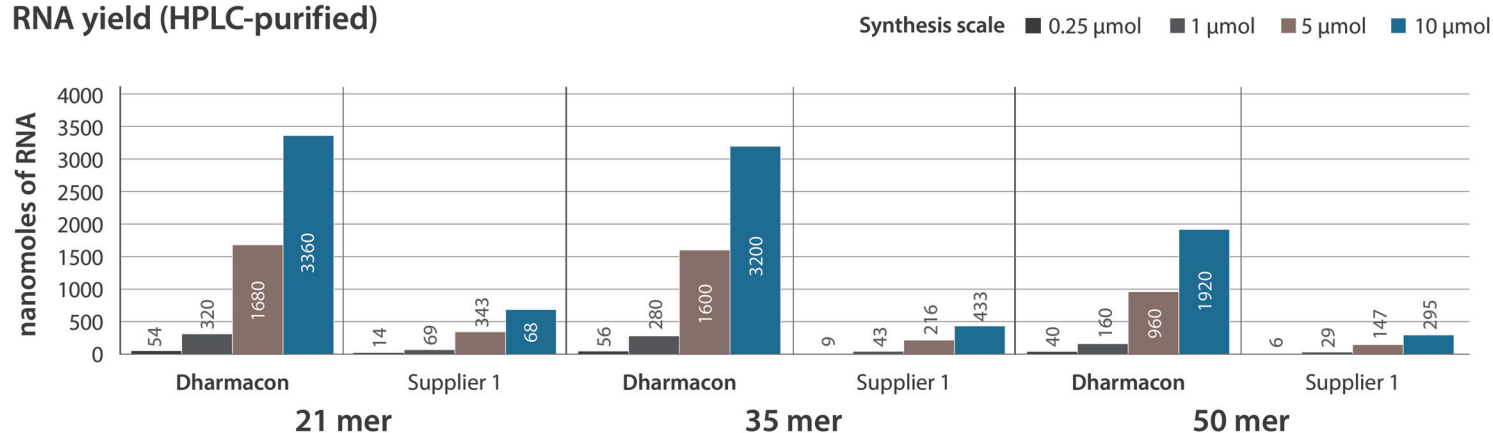
**USA**
SCIENTIFIC®
usascientific.com

Meet your custom RNA requirements with our nearly limitless synthetic options.

If your NMR, crystallography, or RNA binding study requires a non-standard chemical modification or a commercially unavailable modified nucleobase, we can help. For more than 20 years our chemists have utilized Dharmacon™ proprietary 2' ACE chemistry to synthesize RNA with superior yield and quality giving you the flexibility you need.

Better RNA yields give you more for your money.

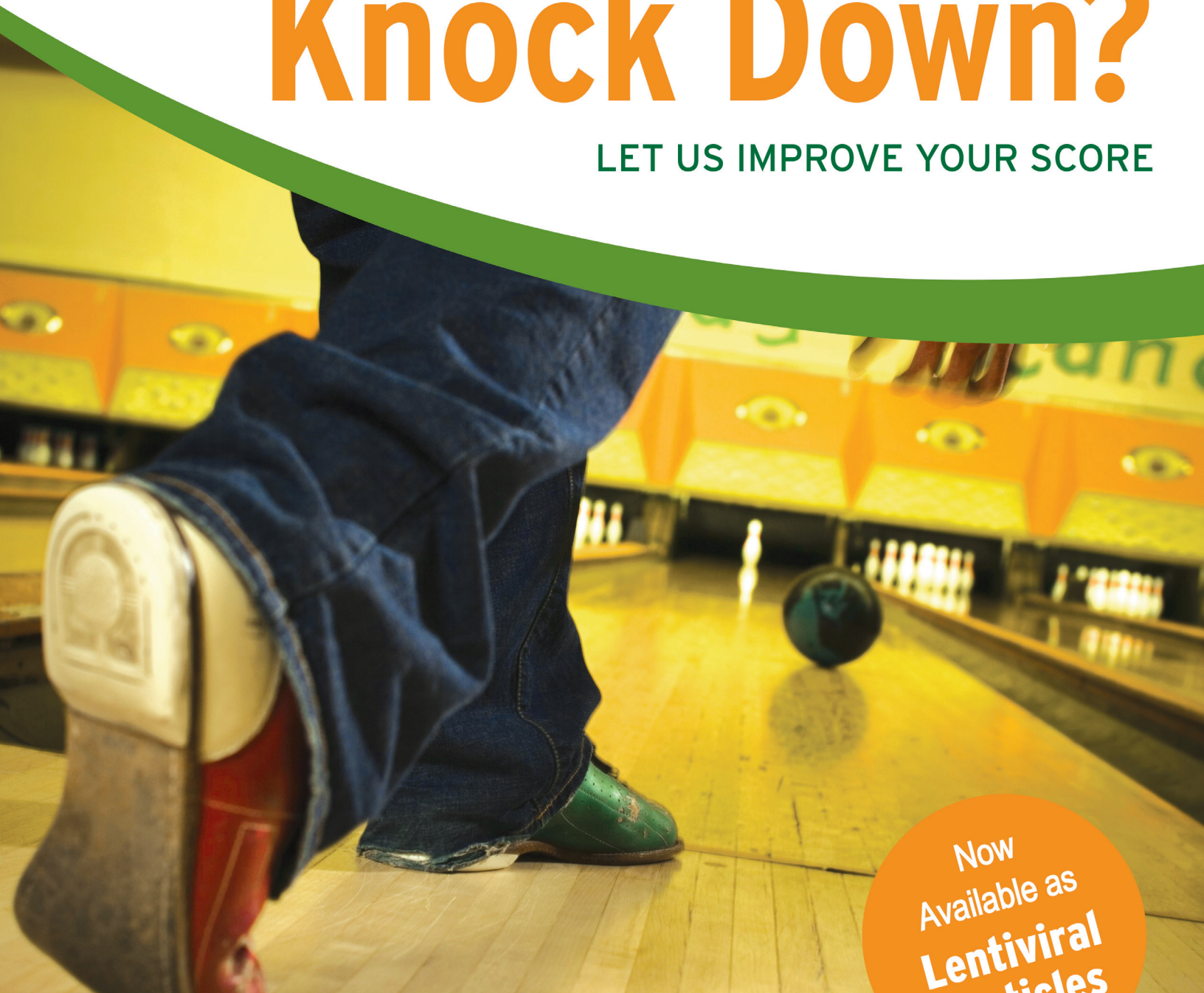
RNA yield (HPLC-purified)



The yield for RNA oligos of three different lengths was compared for all available synthesis scales between Dharmacon and a competitor.

Looking for that Perfect Knock Down?

LET US IMPROVE YOUR SCORE

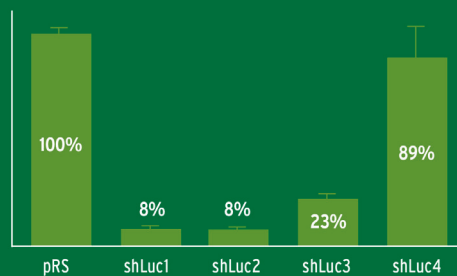


Now Available as
Lentiviral
Particles

HuSH-29™ shRNA Expression Plasmids

- Up to 100 times more efficient than 21mer
- Reduced off-target effects
- Purified plasmid at no extra cost
- Four sequence verified constructs per gene
- Performance guaranteed

HuSH-29 Validation



A reporter construct expressing luciferase was co-transfected into HEK293 cells with 4 HuSH-29 luciferase constructs or empty pRS vector control. Forty-eight hours post-transfection, the cells were examined for gene expression knockdown.

 **ORIGENE**
Your Gene Company

1-888-267-4436 • origene.com



ZYMO RESEARCH

The Beauty of Science is to Make Things Simple



SafeCollect™ At-Home Sample Collection Kits

Designed Around User Experience for Self-Collection

Sample collection devices for **simple, non-invasive at-home testing**. The patented SafeCollect™ tube features a safety seal that prevents users from spilling, ingesting, or being exposed to the stabilization solution. The unique safety seal is punctured after adding a sample to the tube, releasing the stabilization solution.

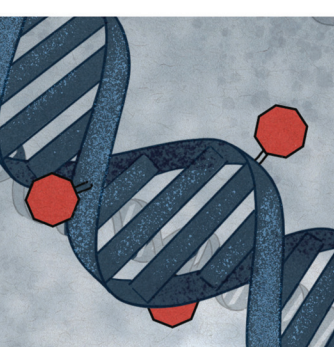
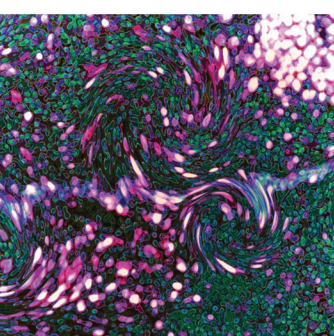
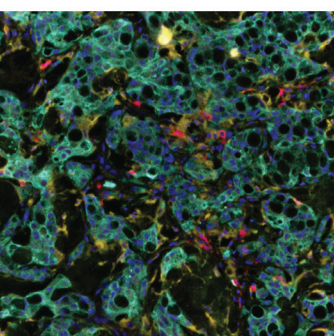
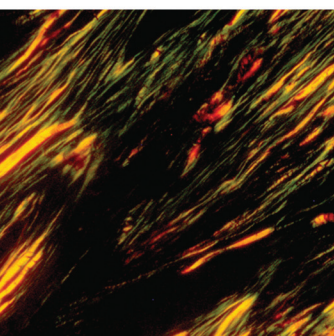
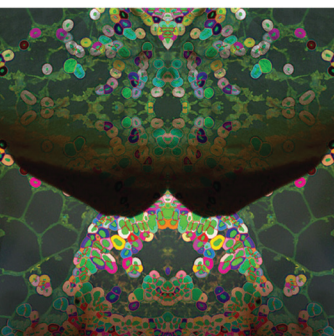
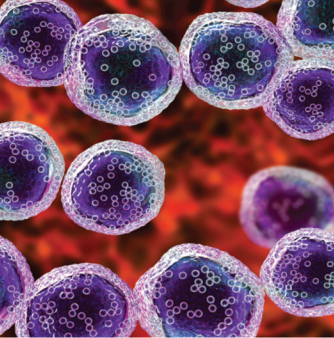


← Safety Seal



Learn more about SafeCollect™ At-Home Sample Collection Kits at
www.zymoresearch.com/pages/safecollect

www.zymoresearch.com | info@zymoresearch.com | Toll Free: (888) 882-9682



AACR American Association
for Cancer Research®

2022 SCIENTIFIC CONFERENCES

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

**Third AACR International Meeting on the
Advances in Malignant Lymphoma:
Maximizing the Basic-Translational
Interface for Clinical Application**
June 23-26, 2022 | Boston, MA

Conference Chairs: Riccardo Dalla-Favera
and Sonali M. Smith

**Seventh JCA-AACR Special Joint
Conference on the Latest Advances in
Pancreatic Cancer Research: From Basic
Science to Therapeutics**
July 8-10, 2022 | Kyoto, Japan

Organizing Committee: Kohei Miyazono,
Masanobu Oshima, Hiroshi Seno,
Elizabeth M. Jaffee, Anirban Maitra,
and Rosalie C. Sears

**Rethinking DCIS: An Opportunity
for Prevention?**

September 8-11, 2022 | Philadelphia, PA

Conference Cochairs: Lisa M. Coussens,
Laura J. Esserman, Kornelia Polyak,
and Jorge S. Reis-Filho

**AACR Special Conference:
Pancreatic Cancer**

September 13-16, 2022 | Boston, MA

Conference Cochairs: Andrew M. Lowy,
Marina Pasca di Magliano,
Robert H. Vonderheide, and Jen Jen Yeh

**15th AACR Conference on The Science of
Cancer Health Disparities in Racial/Ethnic
Minorities and the Medically Underserved**
September 16-19, 2022 | Philadelphia, PA

Conference Cochairs: Kevin L. Gardner,
K. Sean Kimbro, Martin Mendoza,
Camille C. R. Ragin, and Claradina Soto

**Sixth CRI-ENCI-AACR International
Cancer Immunotherapy Conference:
Translating Science into Survival**
September 28-October 1, 2022 | New York, NY

Conference Cochairs: Özlem Türeci,
E. John Wherry, and Jedd D. Wolchok

**AACR Special Conference:
Colorectal Cancer**

October 1-4, 2022 | Portland, OR

Conference Cochairs: Jiyoung Ahn,
Robert J. Coffey, and Scott Kopetz

Cancer Epigenomics

October 6-8, 2022 | Washington, D.C.

Conference Cochairs: Scott A. Armstrong,
Howard Y. Chang, Arul M. Chinnaiyan,
and Margaret A. Goodell

Due to the nature of the COVID-19 pandemic, dates may be subject to change.

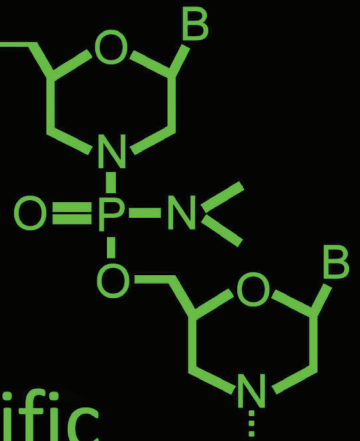
Learn more and register at
AACR.org/Calendar

Follow us @AACR



GENE TOOLS, LLC

www.gene-tools.com



A Morpholino oligo works like sequence-specific masking tape, blocking a section of RNA.

Halt the initiation complex.

Block snRNP binding.

Inhibit miRNA maturation.

Mask a poly-A tail signal.

Switch splice regulation.

Invade RNA secondary structure.

Proven technology:

Four FDA-approved drugs

Over 11,000 publications



All-in-one and one for all!

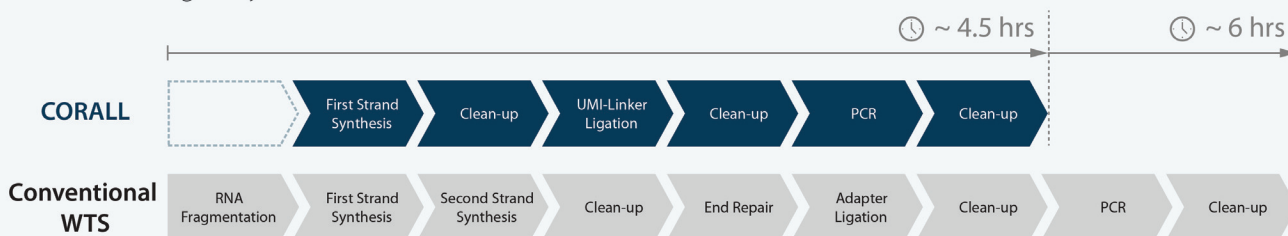
For more information and additional resources, please visit our website.

Get the best sequencing results with CORALL RNA-Seq V2 - Lexogen's all-in-one whole transcriptome RNA-Seq library preparation kit for all samples.



Fast, flexible, and fragmentation-free library prep in just 4.5 hours

CORALL RNA-Seq only requires 6 steps, saving valuable time and allowing the preparation of sequencing-ready libraries in a single day.



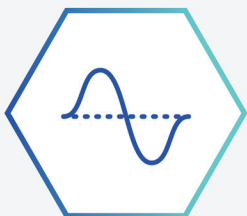
Exceptional performance on low input and low quality samples

CORALL RNA-Seq V2 supports the widest input range (1 ng - 1000 ng) with excellent performance for low input RNA. The highly sensitive protocol delivers exceptional results for difficult samples, such as FFPE RNA.



SKIP the SYNTHESIS —And the Hassle.

Get high-quality readymade mRNAs for:



Transfection
efficiency



Genome editing,
including Cas9



Antigen expression
modeling

Leading the Way in mRNA™

trilinkbiotech.com/browse/stocked-mrnas

©2022 TriLink BioTechnologies. All Rights Reserved.

 **TriLink**
BIOTECHNOLOGIES
part of Maravai LifeSciences