

JUNK or GOLD?

Unlock the Myths of Non-Coding RNAs

In the recent years, the discovery of non-coding RNA (ncRNA) regulatory activities has unleashed alluring opportunities of finding new disease regulators, biomarkers and therapeutic targets. Did you know that Arraystar offers dedicated solutions for ncRNAs, including lncRNAs, circular RNAs, tRNAs, tRFs and more?

LncRNA Microarrays

2019 New Releases: Human V5.0, Mouse V4.0, Rat V3.0

Circular RNA Microarrays

The only practical choice to profile circular RNAs accurately

Epitranscriptomic Microarrays

Quantify the percentage of modifications for mRNAs, lncRNAs and CircRNAs

nrStar™ ncRNA PCR Arrays

For lncRNAs, microRNAs, tRNAs, tRFs, and snoRNAs

We Help You

from Sample
to Data,
featuring annotations and
analyses specialized for
ncRNA biology.



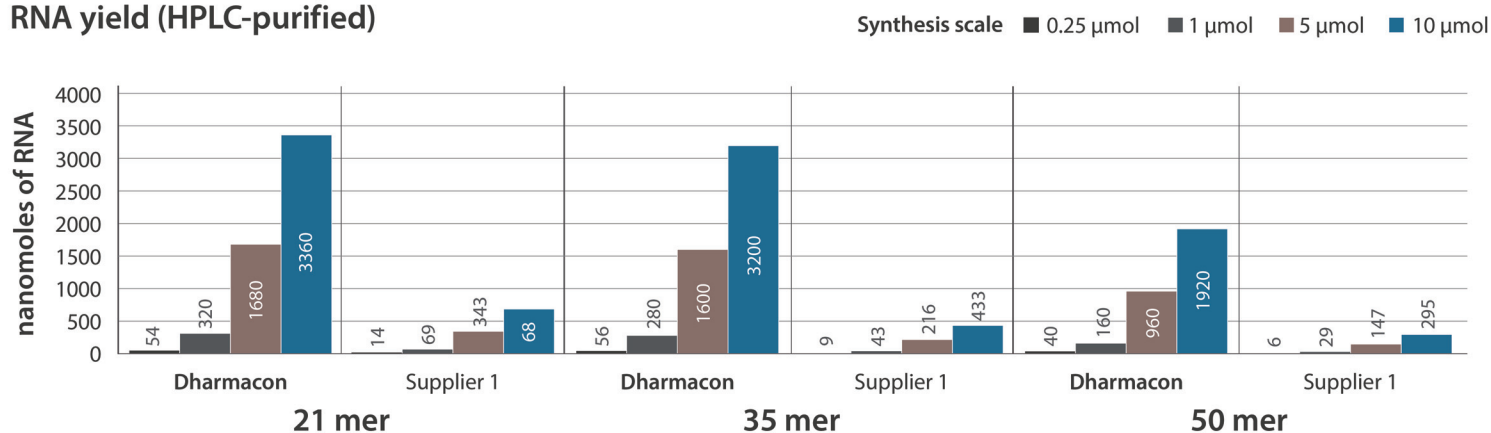
Start Your Non-coding RNA Adventure Now!
www.arraystar.com

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.

Why nanopore sequencing
for RNA analysis?

The only way to sequence RNA without amplification

- Eliminate amplification bias and read length limitations
- Detect base modifications as standard
- Analyse poly-A tail length

Find out more



Anything · Anyone · Anywhere



visit · nanoporetech.com follow · [@nanopore](https://twitter.com/nanopore)

Oxford Nanopore Technologies and the Wheel Icon are registered trademarks of Oxford Nanopore Technologies Limited in various countries. © 2021 Oxford Nanopore Technologies Limited. All rights reserved. Oxford Nanopore Technologies products are not intended for use for health assessment or to diagnose, treat, mitigate, cure, or prevent any disease or condition.



You heard the message.

We've told you before that NEB[®] offers a broad portfolio of reagents for purification, quantitation, detection, synthesis and manipulation of RNA. But did you know that these products are available from bench-scale to commercial-scale to enable both academic and industrial needs? Further, we provide these products at quality levels that support vaccine and diagnostic manufacturing. Experience improved performance and increased yields, enabled by our expertise in enzymology.



RNA purification: Extract up to 100 µg of high quality, total RNA from a variety of sample types with the Monarch[®] Total RNA Miniprep Kit. Monarch RNA Cleanup Kits can quickly and easily clean up and concentrate RNA in just minutes, with no carryover contamination.



RNA detection: Optimize your RT-qPCR across a variety of sample types with Luna[®]. High-concentration mixes and kits optimized for multiplexing enable sensitive detection of SARS-CoV-2. Simple, one-step solutions for LAMP and RT-LAMP are also available.



RNA-seq: NEBNext[®] kits are available for RNA library preparation, rRNA depletion and poly(A) mRNA isolation. Save time with streamlined workflows, reduced hands-on time and automation compatibility.



RNA synthesis: Synthesize high-quality RNA with reagents designed to simplify your workflow, including HiScribe[™] IVT kits and capping reagents. GMP-grade* reagents are available for mRNA synthesis of therapeutics and vaccines.

Find more details on products available, request samples, and access helpful RNA-related resources at www.neb.com/RNA2021.

*"GMP-grade" is a branding term NEB uses to describe reagents manufactured at NEB's Rowley facility. The Rowley facility was designed to manufacture reagents under more rigorous infrastructure and process controls to achieve more stringent product specifications and customer requirements. Reagents manufactured at NEB's Rowley facility are manufactured in compliance with ISO 9001 and ISO 13485 quality management system standards. However, at this time, NEB does not manufacture or sell products known as Active Pharmaceutical Ingredients (APIs), nor does NEB manufacture its products in compliance with all of the Current Good Manufacturing Practice regulations. One or more of these products are covered by patents, trademarks and/or copyrights owned or controlled by New England Biolabs, Inc. For more information, please email us at gbd@neb.com. The use of these products may require you to obtain additional third party intellectual property rights for certain applications. © Copyright 2021, New England Biolabs, Inc.; all rights reserved.



be INSPIRED
drive DISCOVERY
stay GENUINE

Capture the entire transcriptome— in a single library.

Introducing the **new** SEQuoia Complete Stranded RNA Library Prep Kit for NGS.



It's new. It's different. And it's only from Bio-Rad.

The SEQuoia Complete Stranded RNA Library Prep kit gives you a truly holistic view of the transcriptome, capturing all types of RNAs (long, short, and everything in between) from all types of samples in less than 4 hours. With unparalleled uniformity of coverage, strandedness, and efficiency, what you will discover will definitely surprise you.

Are you ready for a new approach to transcriptomics?
Get the details at [bio-rad.com/SEQuoiaCompleteRNA](https://www.bio-rad.com/SEQuoiaCompleteRNA)

BIO-RAD

#ScienceForward

AMERICAN ASSOCIATION FOR CANCER RESEARCH

JOIN US IN THE GLOBAL CONQUEST OF CANCER!



THE ESSENTIAL ASSOCIATION FOR YOU AND YOUR COLLEAGUES!

WHY YOU SHOULD JOIN:

- **No annual dues required**
for Associate and Student Members
- **Substantially reduced registration rates**
for AACR Annual Meetings and Special Conferences
- **Privilege of sponsoring** an abstract for AACR Annual Meetings
Active, Emeritus, and Honorary members in good standing have the privilege to sponsor an unlimited number of abstracts
- **Exclusive discounts** on subscriptions to AACR's nine renowned peer-reviewed scientific journals
- **Blood Cancer Discovery:** Free digital access for all members
- **Funding and award opportunities**
including career development resources, research fellowships, scholar-in-training awards, and travel grants
- **Professional development**
for early-career investigators and professionals, including education and professional advancement sessions
- **Opportunities to network** and join any of our Association and Scientific Working Groups
- **Free online access to *Cancer Today* magazine**
a resource for cancer patients, survivors, and their family members and friends
- **Collaboration and resources**
through our Survivor and Patient Advocate initiatives

Visit the online portal **myAACR.aacr.org**
to access AACR services.

Contact the AACR Membership Department
with any questions at membership@aacr.org
or 215-440-9300.

ABOUT THE AACR

The mission of the AACR is to prevent and cure all cancers through research, education, communication, collaboration, funding for cancer research, and science policy and advocacy. AACR's programs and services foster the exchange of knowledge and new ideas among scientists dedicated to cancer research, provide training opportunities for the next generation of cancer researchers, and increase public understanding of cancer.

With over 48,000 members in 127 countries and territories around the world, we firmly believe each member plays an integral role in achieving that mission.

Join our mission.

AACR American Association
for Cancer Research®
FINDING CURES TOGETHER®

AACR.org/Membership



GETTING TO THE CLINIC IS HARD ENOUGH

So we've made mRNA
manufacturing much easier

Introducing plasmid
manufacturing services
from TriLink.

trilinkbiotech.com/easy

 **TriLink**
BIOTECHNOLOGIES
part of Maravai LifeSciences