

Bst DNA/RNA Polymerase

For Isothermal Amplification

Bst DNA/RNA Polymerase is a mixture of Bst DNA polymerase and extremely thermostable reverse transcriptase (65°C tolerant), which is suitable for isothermal amplification reaction of RNA. It can detect low-sensitivity RNA molecules. This enzyme is recommended in isothermal amplification experiments using RNA as a template. In addition, Bst DNA/RNA Polymerase can also perform isothermal amplification of DNA templates.

Quality Assurance

QC Items	Specifications	Results
Concentration	8 KU/ml	<input checked="" type="checkbox"/> Pass
RNase contamination	No degradation under 16 U for 2 µg total RNA at 25°C for 30 min	<input checked="" type="checkbox"/> Pass
DNase contamination	No degradation under 16 U for 2 µg gDNA at 37°C for 60 min	<input checked="" type="checkbox"/> Pass
Inactive	Complete inactive at 85°C for 5 min	<input checked="" type="checkbox"/> Pass

Storage

Store at -20°C for three years. Avoid multiple freeze-thaw cycles.

It's easier. It's faster. And it's more efficient.

Our Bst DNA/RNA Polymerase is ideal for:

- DNA/RNA isothermal amplification
- GC-rich rapid sequencing
- Rapid sequencing of micro-template DNA

Ready for this new experience?

Please visit <https://www.sbsgenetech.com/store/products/412377>

Increased Viral RNA Yields for the Earliest Detection of COVID-19 Outbreaks

Zymo Environ Water RNA Kit For SARS-CoV-2 Wastewater Surveillance



Highest RNA Concentration
Removes PCR Inhibitors
Eliminates Infection Risk

The Zymo Environ™ Water RNA Kit simplifies COVID-19 wastewater surveillance by increasing viral enrichment, inactivating pathogens, and improving limits of detection. The workflow yields highly concentrated, PCR inhibitor-free RNA ready for downstream applications including RT-qPCR, RT-ddPCR, and NGS.

Upgrade Your COVID-19 Wastewater Surveillance Today!

Visit www.zymoresearch.com/pages/zymo-environ-water-rna-kit



www.zymoresearch.com



info@zymoresearch.com



Toll Free: (888) 882-9682



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

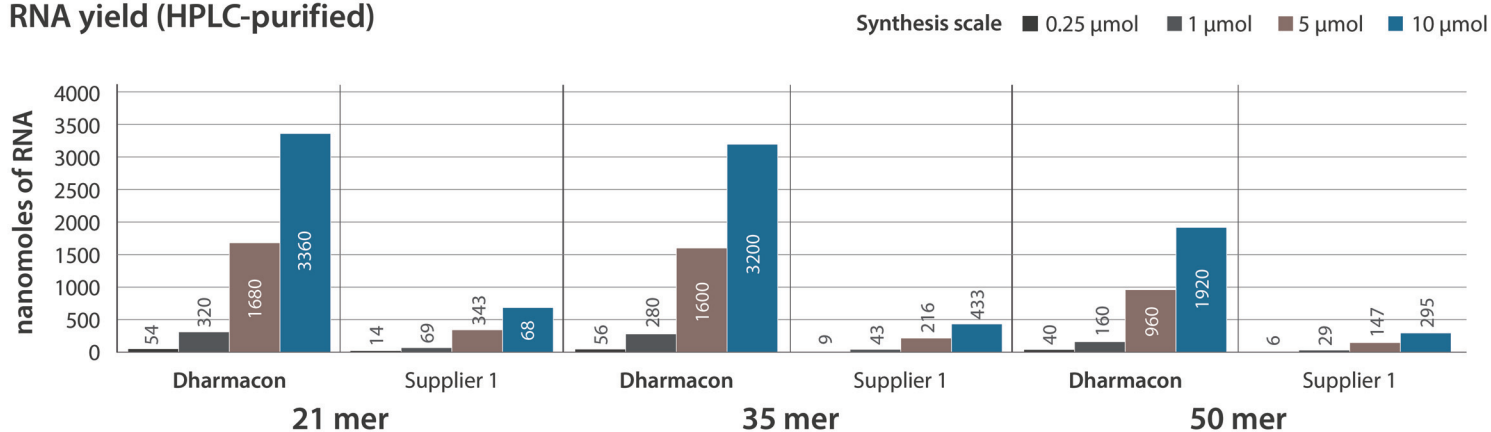
#ScienceForward

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.

AACR American Association
for Cancer Research

ANNUAL MEETING

2020 • SAN DIEGO

APRIL 24-29

TURNING SCIENCE INTO LIFESAVING CARE

Join us in San Diego for the latest innovative and inspiring cancer research from around the world...the **AACR ANNUAL MEETING 2020!**

REGISTER TODAY!

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Join the AACR and receive a discount on registration.



Continuing Medical Education Activity -
AMA PRA Category 1 Credits™ available

The AACR Annual Meeting highlights the work of the greatest minds in cancer science and medicine from institutions all over the world. This meeting presents the many scientific discoveries across the breadth of cancer research—from prevention, early detection, and interception; to cancer biology, translational, and clinical studies; to survivorship, population science, and advocacy. This year's program, with the theme of "Turning Science into Lifesaving Care," will be a comprehensive, cutting-edge scientific event that you will not want to miss!

We look forward to seeing you!

AACR.ORG • #AACR20



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PROOF-OF-PERFORMANCE
POP Program

Learn about our
Proof-of-Performance (POP) Program
at www.purigenbio.com/pop

IONIC® FFPE Complete Purification

Purify RNA and DNA from FFPE with 75% Less Hands-on Time

a complete purification solution for FFPE samples

The new **Ionic® FFPE Complete Purification Kit** from Purigen Biosystems provides simultaneous purification of DNA and RNA, including miRNA, from FFPE tissues. While most technologies use a serial approach to separately isolate DNA and RNA, this new kit enables a single, automated workflow using the Ionic® Purification System that requires 75% less hands on time.

■ Simple Workflow

Extract and purify DNA and RNA from the same FFPE section or scroll in one streamlined workflow

■ Purify DNA, mRNA and miRNA

RNA purification includes both mRNA, miRNA and other small non-coding RNAs

■ Simplify Lysis

Deparaffinize, lyse, and de-crosslink in a single reaction without using harsh chemicals

■ Improve Reliability

Minimize user-to-user variability, cross-contamination, and sample loss

75% Less Hands-on Time*

than conventional methods

	IONIC®	Manual Bead-based	Manual Column-based
Lysis time	1.5 hrs	Overnight	1 hr
RNA isolation	2 hrs	2 hrs	2.5 hrs
DNA isolation	1.7 hrs	3 hrs	3.5 hrs
TOTAL time	5.2 hrs	13 hrs	6.5 hrs
Total hands-on time	1.5 hrs	6 hrs	7 hrs

* Time comparison performed by 3rd-party research laboratory.

For more information, contact info@purigenbio.com.

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PURIGEN®
BIOSYSTEMS

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