

# Bst DNA/RNA Polymerase

## For Isothermal Amplification

Bst DNA/RNA Polymerase is suitable for isothermal amplification reaction of both DNA and RNA templates, which can detect low-sensitivity nucleic acid templates with great efficiency and specificity. Besides, with special preparation process, this enzyme has fast amplification rate and high tolerance to impurity.



### Features

**Higher Specificity**  
By unique negative control technique

**Better Sensitivity**  
By optimized reaction buffer

**Lower False Positive Rate**  
By strong recognition ability to dUTP

**Clearer Observable Results**  
By colorimetric visualization technique

### Quality Assurance

QC Items	Specifications	Results
Concentration	8-10 KU/ml	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Purity	>95%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
RNase contamination	No degradation under 16 U for 2 µg total RNA at 25°C for 30 min	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
DNase contamination	No degradation under 16 U for 2 µg gDNA at 37°C for 60 min	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Inactive	Complete inactive at 85°C for 5 min	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

DECODING  
CANCER COMPLEXITY

INTEGRATING  
SCIENCE

TRANSFORMING  
PATIENT OUTCOMES



American Association  
for Cancer Research®

ANNUAL  
MEETING  
2022 *New Orleans*

APRIL 8-13

We look forward to welcoming you back in-person to the world's most important and comprehensive meeting dedicated to the research, prevention, and treatment of cancer. Join us in New Orleans in April as we also kick off the 115th Anniversary of the AACR.

We are taking great care in preparing this safe and robust AACR Annual Meeting 2022 to inspire innovation and collaboration from researchers from around the world. This is an event not to be missed!

[AACR.org](http://AACR.org) > #AACR22



[AACR.org/AACR2022](http://AACR.org/AACR2022)

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



2103030Pp

› **Abstract Submission Deadline:**  
Thursday, November 18, 2021

› **Late-Breaking and Clinical Trials Abstract Submission Deadline:**  
Monday, January 10, 2022

› **Become a Member!**  
Join the AACR and receive a discount on registration.



# Faculty Positions

## Institute for Genomic Medicine

The Research Institute at Nationwide Children's Hospital seeks outstanding faculty candidates for recruitment to all ranks (assistant, associate or full professor) with a laboratory-based focus on pediatric cancer, blood disorders, and/or relevant basic science areas.

The Institute for Genomic Medicine combines a robust clinical laboratory with cutting-edge research in molecular and computational biology to optimize patient care. Collaboration among clinicians, physician-scientists, and basic science investigators is emphasized to quickly transition novel research results into advanced diagnostics, using state-of-the-art technology. The Institute's world-renowned faculty are moving genome-based testing into the mainstream of diagnosis and treatment, making the results accessible and meaningful for patients and families.

The new faculty member will be expected to be an active participant in advancing this mission by establishing an impactful independent research program supported by extramural funding, developing basic and translational scientific collaborations, providing mentorship to colleagues, training the next generation of researchers, and participating in center activities.

The successful candidate should have an MD, MD/PhD, PhD, or equivalent degree, and will have a strong publication track record and active grant-funding.

The Research Institute is ranked in the top ten nationally in NIH funding to free-standing children's hospitals. Research programs are organized into 13 multidisciplinary Centers of Emphasis structured to encourage collaboration, facilitate team science and foster creativity.

Ranked 8<sup>th</sup> on the children's hospitals U.S. News & World Report's "America's Best Children's Hospitals Honor Roll," Nationwide Children's Hospital is one of the nation's largest not-for-profit freestanding pediatric healthcare networks providing wellness, preventive, diagnostic, treatment and rehabilitative care for infants, children and adolescents, as well as adult patients with congenital disease.

As Ohio's state capital, Columbus and its surrounding metro area is a thriving, diverse, technologically sophisticated city with a population of over 2,000,000. Quality of life and cost of living is outstanding.

Inquiries and nominations are encouraged. Please submit your CV and personal statement via email to: Richard K. Wilson, PhD, c/o Elena.Chiappinelli@NationwideChildrens.org

All inquiries and referrals will remain confidential.

To build a diverse workforce Ohio State encourages applications from individuals with disabilities, minorities, veterans, and women. EEO/AE employer.

**To learn more about Nationwide Children's or apply for this position visit us at:**  
**[NationwideChildrens.org/physician-careers](http://NationwideChildrens.org/physician-careers)**

VISIT US AT

**AMP 2021** **BOOTH 1225**

Philadelphia, PA  
November 16 - 20

## IONIC® PURIFICATION SYSTEM

# Extract RNA and DNA from FFPE with Confidence

The **Ionic® Purification System** uses the principles of isotachophoresis to extract and purify nucleic acids from FFPE samples without binding, washing, or stripping from fixed surfaces. Since nucleic acids are intact and remain in their native form, not denatured or dehydrated, the Ionic system is able to extract higher yields of higher quality total RNA and DNA, ultimately resulting in superior data. Studies have also shown that the Ionic system is able to extract nucleic acids from FFPE where column- and bead-based methods could not.



### PROOF-OF-PERFORMANCE **POP Program**

Test your samples with us and see the Purigen difference.  
Learn more at [www.purigenbio.com/pop](http://www.purigenbio.com/pop).

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

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#### ► **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 from wash solvents

For more information, contact [info@purigenbio.com](mailto:info@purigenbio.com).

**PURIGEN**  
BIOSYSTEMS

[www.purigenbio.com/ffpe](http://www.purigenbio.com/ffpe)