

PhiX Control v3

PhiX Control v3 is a **ready-to-use control library for Illumina sequencing runs.**



Sequencing



For Research Use Only



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PhiX Control v3 is a reliable, adapter-ligated library used as a control for Illumina sequencing runs. The library is derived from the small, **well-characterized PhiX genome**, offering several benefits for sequencing and alignment.

The versatile **PhiX Control** v3 is provided as a ready-to-use library, and can be utilized in diverse applications to add value to your workflow and increase confidence in your results.

The PhiX library provides a quality control for cluster generation, sequencing, and alignment, and a calibration control for cross-talk matrix generation, phasing, and prephasing. It can be rapidly aligned to estimate relevant sequencing by synthesis (SBS) metrics such as phasing and error rate.

Depending on the application, PhiX Control v3 may also be utilized:

As a high-concentration spike-in control for unbalanced samples (genomes with AT or GC content of less than 40% or greater than 60%)

As a low-concentration spike-in control for alignment calculations and quantification efficiency

As a dedicated control lane alongside low-diversity samples

As a control for troubleshooting cluster generation problems, to help determine whether an error is related to library preparation

This product is also available as an Illumina Advantage (TG) product. Illumina Advantage large-scale sequencing products feature lot-specific shipments and testing, extended shelf life, and advanced change notifications for greater laboratory efficiency.

Specifications

Instruments

MiSeq System, iSeq 100 System, NextSeq 550 System, NextSeq 2000 System, NextSeq 1000 System, MiSeqDx in Research Mode, MiniSeq System, NovaSeq X System, NextSeq 500 System, NovaSeq 6000 System, NovaSeq X Plus System, MiSeq i100 Plus System, MiSeq i100 System

Nucleic acid type

DNA

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NovaSeq X Series ordering

Advanced chemistry, optics, and informatics combine to deliver exceptional sequencing speed and data quality, outstanding throughput, and scalability.



MiSeq Reagent

Optimized reagent k
length, improving se



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Reach out for information about our products and services, or get answers to questions about our technology.

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Products

For Research Use Only

Not for use in diagnostic procedures (except as specifically noted).

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INNOVATIVE TECHNOLOGIES

At Illumina, our goal is to apply innovative technologies to the analysis of genetic variation and function, making studies possible that were not even imaginable just a few years ago. It is mission critical for us to deliver innovative, flexible, and scalable solutions to meet the needs of our customers. As a global company that places high value on collaborative interactions, rapid delivery of solutions, and providing the highest level of quality, we strive to meet this challenge. Illumina innovative sequencing and array technologies are fueling groundbreaking advancements in life science research, translational and consumer genomics, and molecular diagnostics.

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