

- NEW -**DeepChek® NGS LIBRARY PREPARATION V3.x**

Using a proprietary innovative enzymatic DNA fragmentation technology

TIME-SAVING

- fast library construction process
- **only 75 min**

COMPATIBILITY

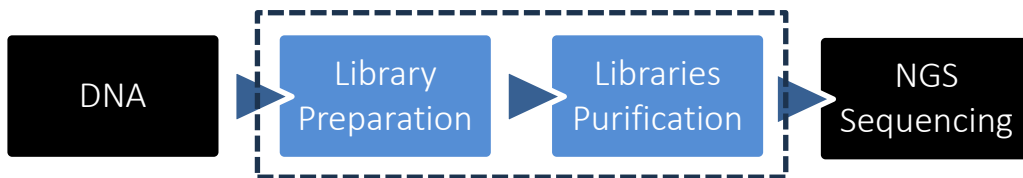
- Compatible input amount 100 pg - 500 ng
- Compatible with genomes of different species

UNIVERSAL

- Generate high-quality DNA libraries with high yields

QUALITY

- Excellent raw data coverage and uniformity



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Product Highlights

Type in DNA input	Small Genomes, PCR Amplicons, and Plasmids One library prep kit for many applications
Validated Samples	FFPE, plasma, whole blood, sputum, stools, solid & liquid culture
Species Category	Any Species, Fungal, Yeast, Drosophila, Zebrafish, Nematode, Plant, Mammalian, Bacteria, Rat, Mouse, Virus, Human
Time	75 minutes
Hands-On Time	20 minutes
Mechanism of Action	Proprietary innovative enzymatic fragmentation technology to fragment DNA, integrating DNA fragmentation, end repair, and adapter ligation into one simple enzymatic reaction step
Multiplexing	Up to 384 uniquely indexed samples may be pooled and sequenced together <u>Available formats:</u> 24rx/run, 48rx/run, 96rx/run, 384rx/run Unique dual indexes (UDI)
Input Quantity	input amount 100 pg - 500 ng
Method	Amplicon Sequencing, De Novo Sequencing, Whole-Genome Sequencing
Variant Class	Single Nucleotide Polymorphisms (SNPs), Structural Variants
Automation Capability	Liquid Handling Robots
System Compatibility	iSeq 100, MiniSeq, MiSeq, MiSeq Dx, NextSeq 550, ...
Nucleic Acid Type	DNA
Technology	sequencing by synthesis (SBS)

References

Library preparation for Illumina

DeepChek® NGS LIBRARY PREPARATION V3.x (24 tests).....	116C24 + 124D24
DeepChek® NGS LIBRARY PREPARATION V3.x (48 tests).....	116C48 + 124D48
DeepChek® NGS LIBRARY PREPARATION V3.x (96 tests).....	116C96 + 124D96
DeepChek® NGS LIBRARY PREPARATION V3.x (384 tests).....	116C384 + 124D384

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