



YEASEN



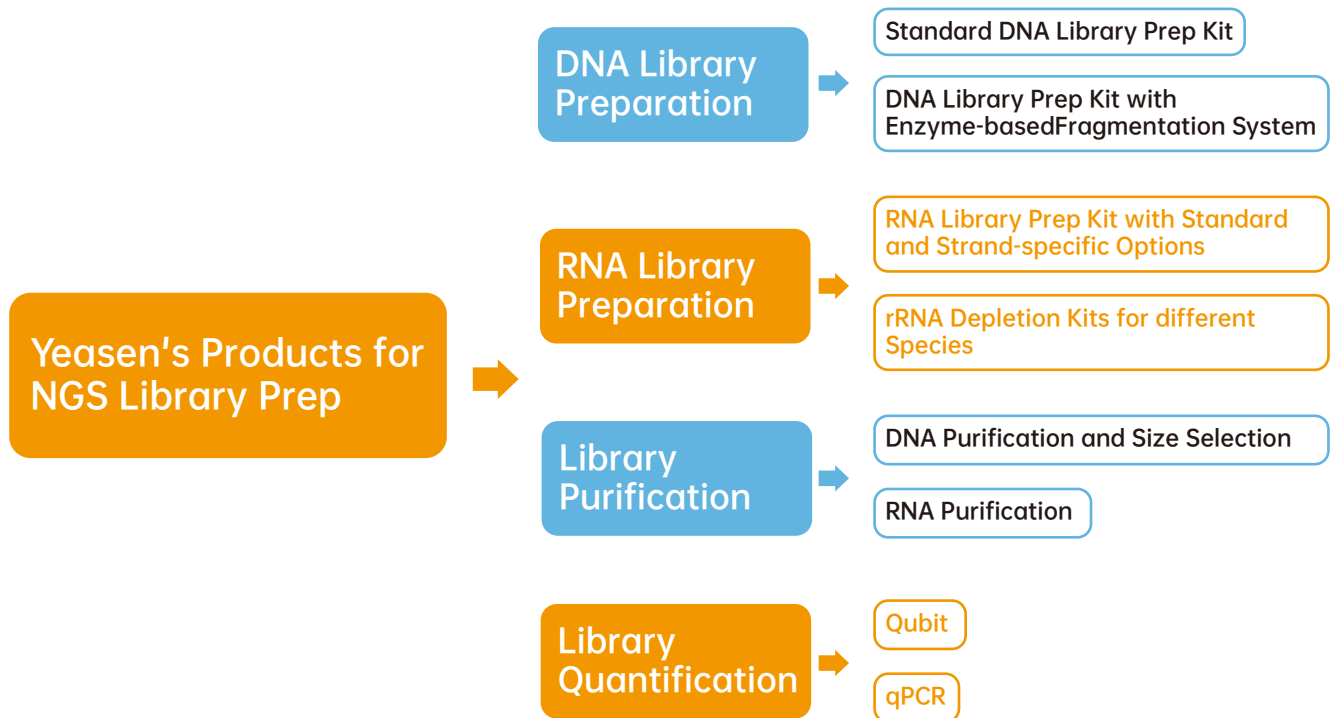
Yeasen Offering Enzymes, Modules, and Kits for NGS Library Preparations from DNA or RNA Samples

About YEASEN

Yeasen founded in 2014 and headquartered in Shanghai, is a Biotech company focused on developing and producing high-quality enzymes and antibodies for molecular biology research and applications, including IVD, NGS and molecular therapeutics. Our GMP-grade manufacturing factories, with a total size of about 6000 square meters, enable the production of ultra clean molecular biology enzymes. Production is conducted under the guideline of ISO13485 and with the GMP standards strictly followed. We are capable of manufacturing 40+ types of enzymes and 1000+ types of reagents. Our daily production of core enzymes for COVID-19 testing kits can enable the diagnostics of one million people.



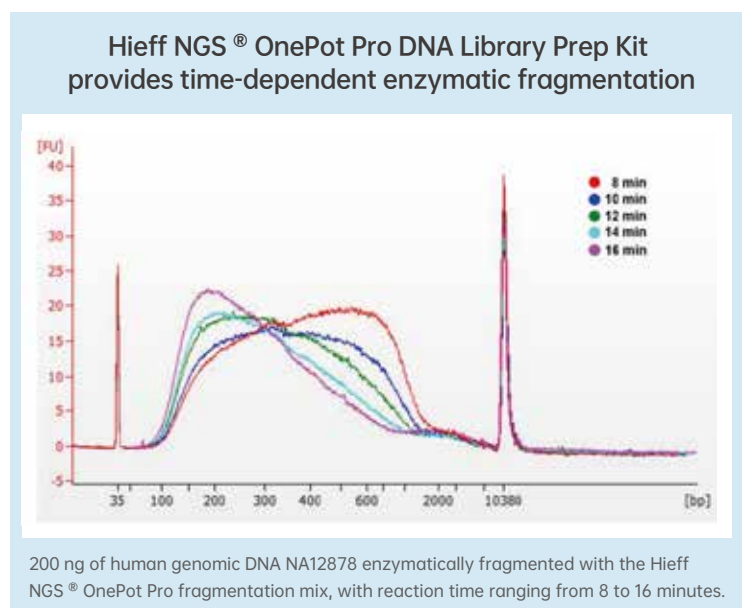
Yeasen Offering Enzymes, Modules, and Kits for NGS Library Preparations from DNA or RNA Samples



1、Hieff NGS[®] DNA Library Preparation Kits

With our recently upgraded formulas, the Hieff NGS[®] OnePot DNA Library Prep Kits exhibit even higher efficiencies in end-repair, A-tailing, and adapter ligation. The high-fidelity polymerases used in these upgraded kits significantly reduce error rates and GC bias, resulting in more accurate and even represented sequencing data.

- The **Hieff NGS[®] Ultima Pro DNA Library Prep Kit** is used for the library construction of pre-sheared DNA samples, which are typically fragmented using focused acoustic shearing devices.
- The **Hieff NGS[®] OnePot Pro DNA Library Prep Kit** includes a patent non-restrictive endonuclease which fragments the input DNA to targeted sizes in a time-dependent manner. This kit enables the single-step reaction of fragmentation, end-repair, and A-tailing without the requirement of beads clean-up, significantly reducing material loss, experimental costs, and hands-on time.



2、 Hieff NGS® Ultima Dual-mode RNA Library Prep Kit

Rapid Construction

The kit enables rapid RNA library construction, reducing about 2 hours of library preparation time through process modification.

Compatibility

- Compatible with different enrichment approaches: mRNA selection or rRNA depletion;
- Compatible with different sequencing platforms: Illumina or MGI

Flexibility

Comes with two types of second-strand synthesis buffer, enabling the library construction of standard or strand-specific libraries from RNA samples

Thermostability

Excellent thermostability verified by freeze/thaw experiments and Thermal acceleration experiments

3、 Hieff NGS® MaxUp Human rRNA Depletion Kit (rRNA & ITS/ETS)

This kit removes cytoplasmic (18S, 28S, 5.8S, and human 45S ITS/ETS) and mitochondrial (12S and 16S) ribosomal RNA from human-derived total RNA samples. FFPE samples are usually associated with higher ITS/ETS rates than fresh tissue samples. As a kit focused on the effective rRNA-depletion especially for degraded samples, it contains the probes targeting the human 45S ITS/ETS regions, ensuring informative sequencing data for low-quality RNA samples.

4、 DNA Purification Beads

- **Easy Operation:** A smooth transition can be applied if switching from A* XP, as all operation steps as well as the treated libraries' sizes and yields are the same
- **High purification and size-selection performances:** High recovery rate (up to 90%), precise size-selection
- **Broad Applications:** Can be applied for the clean-up or size-selection of FFPE or gDNA samples originated from fecal, blood, environmental samples, etc.
- **Broad Compatibility:** Compatible with various library preparation kits
- **Stable Quality:** No variations between batches



5. 1×dsDNA HS Assay Kit for Qubit

- **Easy to use:** Ready-to-use master mix
- **Highly sensitive:** 64× dilution, precise quantification
- **Highly stable:** Fluorescent signal lasts for 3 hours; accuracy won't be impacted after 20 days of room temperature storage.



Featured Products for NGS Library Prep

| Product Name | Cat.# | Size |
|--|-------|---------------|
| Hieff NGS® Ultima Pro DNA Library Prep Kit for Illumina® | 12201 | 8/24/96 Rxn |
| Hieff NGS® OnePot Pro DNA Library Prep Kit for Illumina | 12205 | 8/24/96 Rxn |
| Hieff NGS® Ultima Dual-Mode RNA Library Prep Kit for Illumina | 12252 | 8/24/96 Rxn |
| Hieff NGS MaxUp Human rRNA Depletion Kit (rRNA & ITS/ETS) | 12257 | 24/96 Rxn |
| Hieff NGS® DNA selection Beads (Superior Ampure XP alternative) | 12601 | 1/5/60/450 ml |
| 1×dsDNA HS Assay kit for Qubit® | 12642 | 100/500 Rxn |
| Hieff NGS® Library Quantification Kit for Illumina, qPCR Master Mix | 12302 | 500 Rxn |
| Hieff NGS® Library Quantification Kit for Illumina, DNA Standard (1-6) | 12307 | 6×96 µl |

Visit our official website: www.yeasen.com for more information...

OUR MISSION

Contribute to the advancement of life sciences
Be the best enzyme company

OUR VISION

Focus on the industrialization of molecular biology enzymes
Promote the development of the health industry
Benefit people worldwide

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