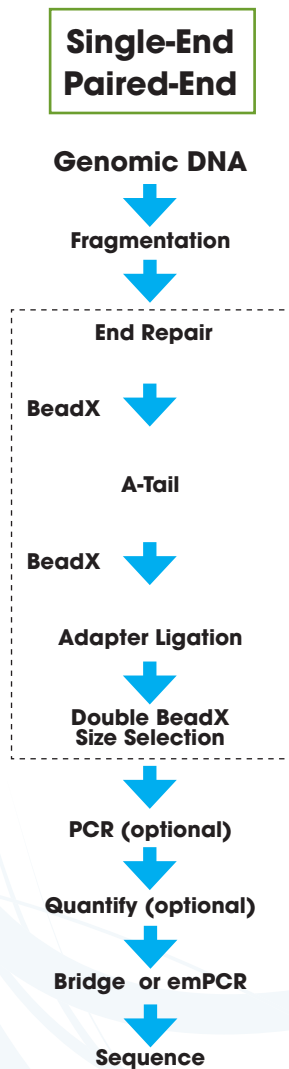


APOLLO 324™

Automated Library Preparation
for Next-Gen Sequencing



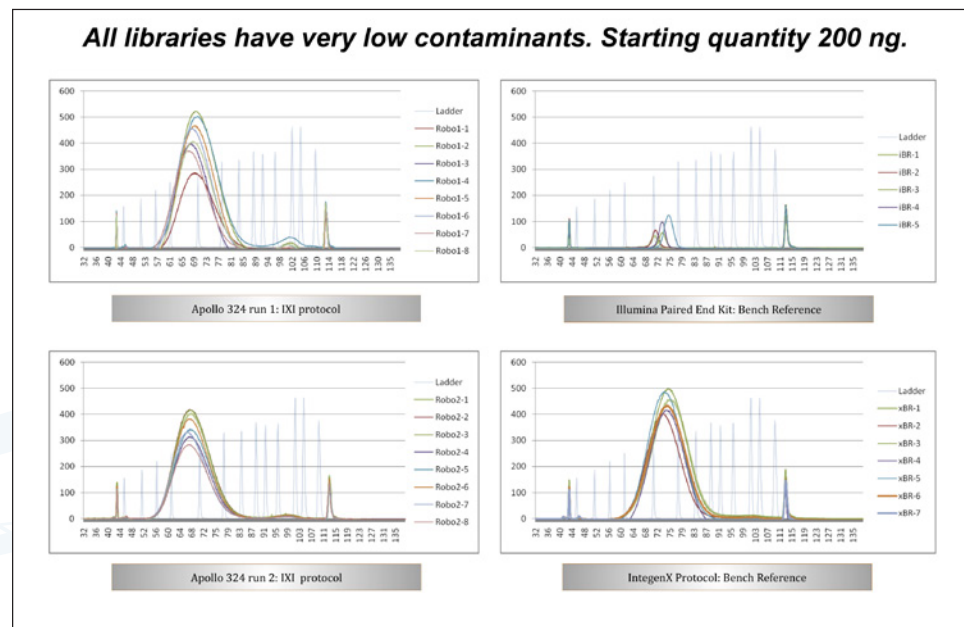
Apollo 324 Preliminary



The Apollo 324 system automates, accelerates and reduces the cost of sample library preparation for the Illumina® Genome Analyzer and HiSeq™ 2000 NGS systems. Using specially tailored reagent kits, up to 16 samples can be prepared in a single day. Reagent kits are now available for the Illumina GA, and future kits will be made available for the Roche 454 Sequencer™ and the Life Technologies® SOLiD™ systems.

As shown in the schematic, the Apollo 324 automates end-repair, A-tail addition, adapter ligation, and the final double bead-based cleanup and size selection. The entire process is completed in about four hours with amplification ready product. Reagent kits are provided to optimize the overall performance of the system and are priced to significantly reduce the cost per library while ensuring accurate results every time.

The Apollo 324 system is designed with two Peltier heating/cooling stations and a patented magnetic bead capture system that provide the flexibility to develop future library applications such as RNA-Seq and ChIP-Seq.



The Apollo 324 can process from one to eight samples simultaneously. The operator selects the protocol and is then assisted with setup by a series of instructional screens. After loading the reagents and samples, the operator just presses RUN and the system does the rest.

E. coli Libraries: Pre-PCR Electropherograms

Specifications

- Sample input concentration: 100 ng to 1 µg of DNA
- Sample throughput: Up to 16 samples per day
- Read length, pass filter rate and alignment rate are comparable to Illumina manual method
- Dimensions: 32" W x 29" D x 27" H
- Weight: 217 lb.
- Power required: 100-240 VAC, 50/60 Hz, 440 VA



FOR ADDITIONAL INFORMATION:

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