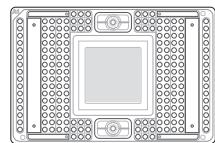
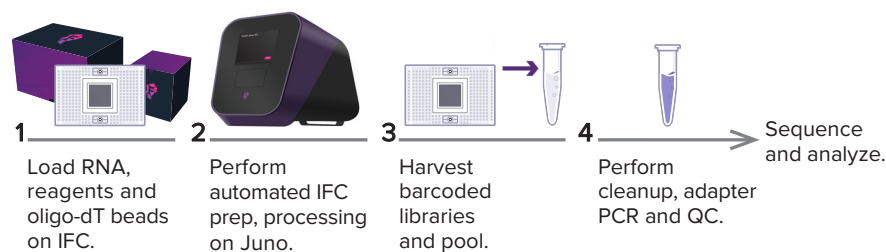


The expression you seek. The workflow you'll love.

Advanta RNA-Seq XT NGS Library Prep Kits

Transform your laboratory productivity with nanoscale automation delivering substantial cost and operational savings.

Workflow

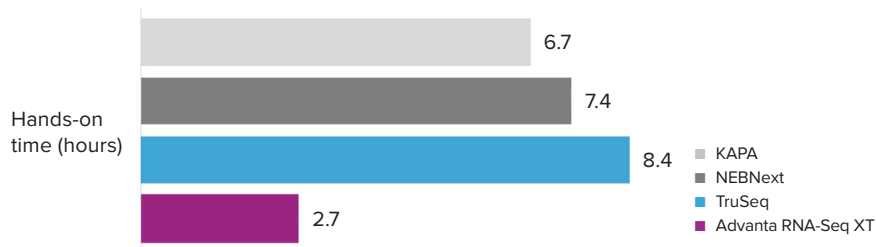


Fully automated Juno script

- Bead column formation, poly(A) RNA capture, wash and elute
- Fragment poly(A) RNA.
- Reverse-transcribe and template-switch.
- Sample-barcode PCR.

Figure 1. Advanta RNA-Seq XT NGS Library Prep Kit workflow on Juno. Samples and Advanta™ RNA-Seq reagents are added to the 48.Atlas™ integrated fluidic circuit (IFC), which is subsequently processed on the Juno™ instrument. The system solution automates many tedious hands-on steps to generate up to 48 RNA-seq libraries. The nanoscale design of the 48.Atlas IFC significantly reduces reagent consumption, which helps minimize overall costs per sample.

Comparison of hands-on time



- Comparisons for TruSeq® Stranded mRNA LP, NEBNext® Ultra™ II Directional RNA LP and KAPA mRNA HyperPrep
- All workflows include quantification of 48 samples by qPCR and pooling to obtain the final library for sequencing.

Learn more at fluidigm.com/advanta-rnaseq

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Highlights

Walkaway automation—

Substantially reduce pipetting steps and operator interventions using an automated 48-sample workflow that includes solid-phase capture of poly(A) RNA.

Cost-effective workflow—

Maximize your laboratory budget by minimizing consumption of reagents and consumables using microfluidics technology.

Robust chemistry—Confidently generate high-quality full-length stranded RNA-seq libraries from a variety of organisms.



Product configuration

PN 101-9950—Advanta RNA-Seq XT NGS Library Prep Kit. Includes reagents to produce RNA-seq libraries with 1–48 unique dual index (UDI) barcodes and 48.Atlas IFCs to support 4 runs, 48 samples per run.

PN 101-9959—Advanta RNA-Seq XT NGS Library Prep Kit II. Contains 4 48.Atlas IFCs and sufficient reagents to generate libraries for 192 samples. Includes [48 or 96] unique dual index (UDI) barcodes.

Juno system sold separately.