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

1. Load RNA, reagents and oligo-dT beads on IFC.
2. Perform automated IFC prep, processing on Juno.
3. Harvest barcoded libraries and pool.
4. Perform cleanup, adapter PCR and QC.  
   Sequence and analyze.

Figures 1-4. 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

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<thead>
<tr>
<th>Hands-on time (hours)</th>
<th>KAPA</th>
<th>NEBNext</th>
<th>TruSeq</th>
<th>Advanta RNA-Seq XT</th>
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• 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.

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.


Juno system sold separately.

Learn more at fluidigm.com/advanta-rnaseq