

# Advanta RNA-Seq XT NGS Library Prep Kit II

**Kit Part Number: 101-9959**

## Purpose

The Advanta™ RNA-Seq XT NGS Library Prep Kit II (101-9959) provides the necessary reagents to support the preparation of RNA-seq-ready libraries using 48.Atlas™ IFCs (integrated fluidic circuits) on Juno™. The kit contains 2 A plates of UDIs in PCR Master Mix (1–48 index mixes per plate), 2 B plates of UDIs in PCR Master Mix (49–96 index mixes per plate), and 4 IFCs with sufficient reagents to process 192 total RNA samples.

## Contents
















### Control Line Fluid and IFCs

Part Number	Component	Volume/Unit	Unit Quantity	Storage
101-9307	Control Line Fluid	150 µL/syringe	8 syringes	Room temperature
101-9303	48.Atlas™ IFC	—	4 IFCs	Room temperature

### PN 101-9299, Advanta RNA-Seq NGS Library Prep Kit, Module 1

Part Number	Component	Cap Color	Volume/Unit	Unit Quantity	Storage
101-9091	TSO Mix	 Brown	50 µL/tube	1 tube	–80 °C

### PN 101-9223, Advanta RNA-Seq NGS Library Prep Kit, Module 2


Part Number	Component	Cap Color	Volume/Unit	Unit Quantity	Storage
101-9079	mRNA Binding Buffer	 Light blue	1 mL/tube	1 tube	–20 °C
101-9080	Pre-Capture Buffer	 Clear	120 µL/tube	1 tube	
101-9081	Post-Capture Buffer	 Light green	1 mL/tube	1 tube	
101-9092	N6	 Pink	15 µL/tube	1 tube	
101-9093	RT Buffer	 Red	50 µL/tube	1 tube	
101-9094	RT Enzyme	 Purple	24 µL/tube	1 tube	
101-9095	RNase Inhibitor	 White	20 µL/tube	1 tube	
101-9096	DNA Polymerase	 Green	130 µL/tube	1 tube	
101-9097	PCR Buffer	 Clear	3.5 mL/bottle	1 bottle	
101-9098	Tris Buffer	 Orange	1.25 mL/tube	1 tube	
101-9099	PCR2 Primer	 Khaki	65 µL/tube	1 tube	
101-9100	Nuclease-Free Water	 Natural	5 mL/bottle	1 bottle	
101-9300	Harvest Reagent Type 1	 White	3.7 mL/bottle	4 bottles	
101-9301	Loading Reagent Type 1	 Yellow	200 µL/tube	1 tube	
101-9755	qPCR Primer Premix	 Blue	70 µL/tube	1 tube	

**For Research Use Only. Not for use in diagnostic procedures.**

**PN 101-9956, Advanta RNA-Seq Unique Dual Index, Module 3A/3B**

Part Number	Component	Volume/Unit	Unit Quantity	Storage
101-9954	A Plates: UDI-PCR Master Mix (UDIs in PCR MM)	10 µL/well	2 plates (96 wells/plate)	-20 °C
101-9955	B Plates: UDI-PCR Master Mix (UDIs in PCR MM)	10 µL/well	2 plates (96 wells/plate)	

**PN 101-9308, Advanta RNA-Seq NGS Library Prep Kit, Module 4**

Part Number	Component	Cap Color	Volume/Unit	Unit Quantity	Storage
101-9076	mRNA Seq Beads	 Light tan	150 µL/tube	1 tube	4 °C

## Handling

Before using the reagents, see these documents:

- Protocol: Advanta RNA-Seq XT NGS Library Prep Kit and Kit II with Unique Dual Indexes (UDIs), FLDM-00146
- Quick Reference: Advanta RNA-Seq XT NGS Library Prep Kit and Kit II with UDIs and 96-Well Plates, FLDM-00153
- Quick Reference Advanta RNA-Seq XT NGS Library Prep Kit and Kit II with UDIs and 384-Well Plates, FLDM-00155
- Advanta RNA-Seq XT NGS Library Prep Kit, FLDM-00156
- Advanta RNA-Seq Library Normalization Workbook, 101-9819

## Safety

Use standard laboratory safety protocols. Read and understand the safety data sheets (SDSs) before handling chemicals. To obtain SDSs, go to [fluidigm.com/sds](https://fluidigm.com/sds) and search for the SDS using either the product name or the part number.

### For technical support visit [techsupport.fluidigm.com](https://techsupport.fluidigm.com).

**North America** +1 650 266 6100 | Toll-free (US/CAN): 866 358 4354 | [techsupport@fluidigm.com](mailto:techsupport@fluidigm.com) **Latin America** +1 650 266 6100 | [techsupportlatam@fluidigm.com](mailto:techsupportlatam@fluidigm.com)  
**Europe/Middle East/Africa/Russia** +33 1 60 92 42 40 | [eu.support@fluidigm.com](mailto:eu.support@fluidigm.com) **China** (excluding Hong Kong) +86 21 3255 8368 | [techsupportchina@fluidigm.com](mailto:techsupportchina@fluidigm.com)  
**Japan** +81 3 3662 2150 | [techsupportjapan@fluidigm.com](mailto:techsupportjapan@fluidigm.com) **All other Asian countries/India/Australia** +1 650 266 6100 | [techsupportasia@fluidigm.com](mailto:techsupportasia@fluidigm.com)

### For Research Use Only. Not for use in diagnostic procedures.

Information in this publication is subject to change without notice. **Patent and license information:** [fluidigm.com/legal/notices](https://fluidigm.com/legal/notices). **Trademarks:** Fluidigm, the Fluidigm logo, Advanta, 48.Atlas, and Juno are trademarks and/or registered trademarks of Fluidigm Corporation in the United States and/or other countries. All other trademarks are the sole property of their respective owners. © 2020 Fluidigm Corporation. All rights reserved. 07/2020